

Converting Colors

XYZ(80.7336, 100.0000,
94.3482)

Have a look what the booklet for
XYZ(80.7336, 100.0000, 94.3482)
contains.

XYZ(76.0772, 90.5553, 92.8261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.0772, 90.5553,
92.8261)**

Conversions

Conversions Part 1

Format	Color
Hex	CDF FEC
RGB	205, 255, 236
RGB Percent	80%, 100%, 93%
CMY	0.1961, 0.0000, 0.0745
CMYK	0.20, 0.00, 0.07, 0.00
HSL	157°, 100%, 90%
HSV	157°, 20%, 100%
XYZ	76.0772, 90.5553, 92.8261
YIQ	237.8840, -23.7010, -16.5090

Conversions

Conversions Part 2

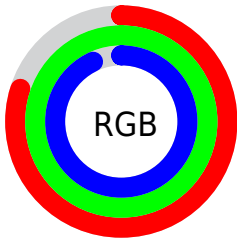
Format	Color
R _Y B	205, 236, 255
Decimal	13500396
CIE Lab	96.23, -19.50, 3.85
CIE LCh	96, 19.873, 168.822
Yxy	90.5553, 0.2932, 0.3490
Android (android.graphics.Color)	4291690476 (0xFFCDDFFEC)
YUV	237.8840, -0.9288, -28.8393
Hunter-Lab	95.1605, -23.8271, 8.7769

Details

The XYZ color **76.0772, 90.5553, 92.8261** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5265, 70.3056, 80.0582**, and the grayscale version is **81.1981, 85.4267, 93.0297**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0100, 50.1675, 50.7019** is the 20% darker color. If you saturate the color by 10%, you get **68.2371, 86.6718, 85.3093**, and if you desaturate by 10%, it is **85.1418, 95.0611, 100.8018**.

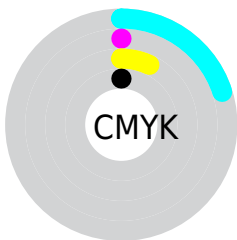
Distribution



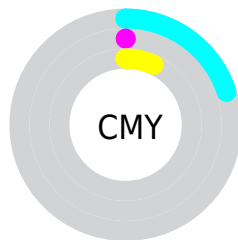
- Red (80%)
- Green (100%)
- Blue (93%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0772, 90.5553, 92.8261 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.0772, 90.5553, 92.8261 by changing the saturation by 10% instead.


 76.0772, 90.5553,
92.8261

 76.0772, 90.5553,
92.8261

470.5523,
529.8356, 557.9874

 56.7931, 68.4413,
69.7401


126.8158,
148.1095, 153.2275

 41.0786, 50.2568,
50.8392


159.0010,
184.3185, 191.3799

 28.5685, 35.6175,
35.7048


196.2173,
225.9946, 235.3916

 18.8973, 24.1389,
23.9184

238.8300,
273.5222, 285.6810

 11.6996, 15.4367,
15.0615

287.2045,
327.2857, 342.6668

 6.6102, 9.1265,
8.7154

341.7061,

 3.2637, 4.8238,

387.6695, 406.7674

4.4618

402.7003,
455.0580, 478.4014

■ 1.2947, 2.1442,
1.8819

■ 0.1793, 0.6893,
0.4812

■ 76.0772, 90.5553,
92.8261

■ 76.0772, 90.5553,
92.8261

■ 68.2371, 86.6718,
85.3093

■ 85.1418, 95.0611,
100.8018

■ 61.5622, 83.3804,
78.2381

95.0500, 100.0000,
108.9000

■ 55.9922, 80.6500,
71.6047

■ 51.4598, 78.4461,
65.3994

■ 47.8904, 76.7304,
59.6119

■ 45.1986, 75.4591,
54.2313

■ 43.2832, 74.5800,
49.2457

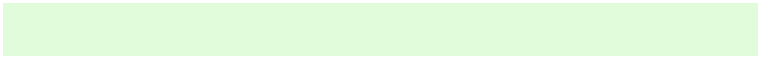
■ 41.9860, 74.0119,
44.6403

■ 41.9406, 73.9922,
44.4667

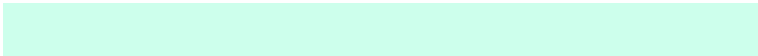
Harmonies

Analogous

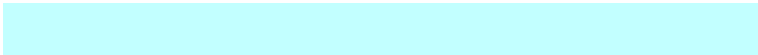
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3302, 90.5553, 79.9188



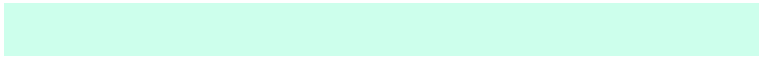
76.0772, 90.5553, 92.8261



76.4148, 90.5553, 108.7290

Triad

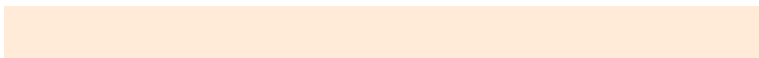
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0772, 90.5553, 92.8261



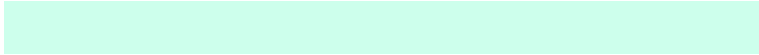
89.5380, 90.5553, 130.2412



93.2451, 90.5553, 77.4553

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



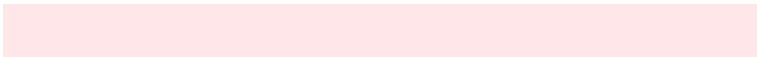
76.0772, 90.5553, 92.8261



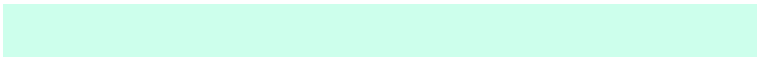
76.5265, 70.3056, 80.0582

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.5063, 90.5553, 89.1192



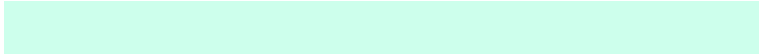
76.0772, 90.5553, 92.8261



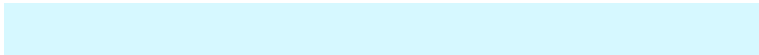
94.3037, 90.5553, 119.9851

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



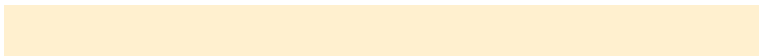
76.0772, 90.5553, 92.8261



84.0299, 90.5553, 131.5071



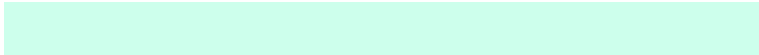
96.9018, 90.5553, 104.6071



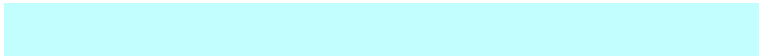
88.1430, 90.5553, 71.6975

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



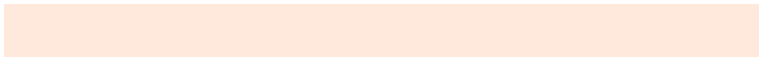
76.0772, 90.5553, 92.8261



78.0671, 90.5553, 118.8972



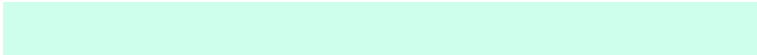
96.9018, 90.5553, 104.6071



94.6021, 90.5553, 80.7539

Sweetspot

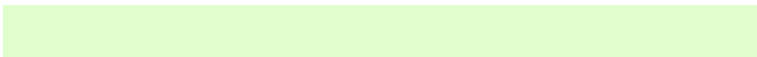
The Sweet Spot groups the original color and five complimentary colors.



76.0781, 90.5557, 92.8276



88.7214, 96.8440, 103.7916



77.5723, 91.8020, 71.3901



18.8486, 20.6581, 22.0988



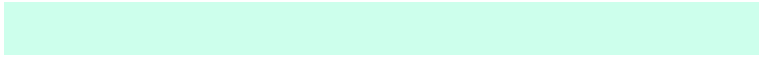
0.0000, 0.0000, 0.0000



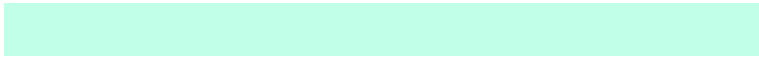
20.3446, 21.4041, 23.3091

Same Dimension

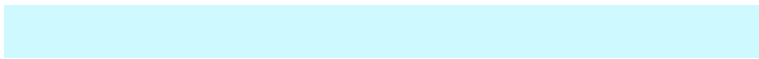
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0781, 90.5557, 92.8276



72.4861, 88.7746, 89.4691



77.1548, 88.0541, 107.5374



18.2451, 20.3576, 21.5937



21.9899, 38.6926, 23.6299



2.1943, 3.7887, 2.5811

Inverse Universe

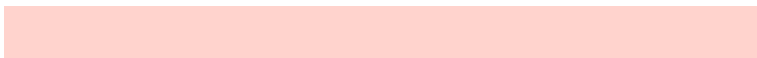
The Inverse Universe completely reimagines the original color for something new.



76.5265, 70.3056, 80.0582



73.0188, 64.7672, 74.3358



75.5131, 72.1746, 67.7102



18.2949, 18.1013, 20.1703



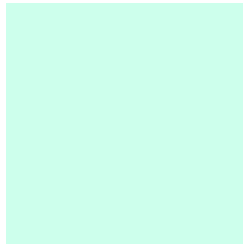
22.7405, 11.5855, 7.2840



2.2653, 1.1485, 0.9787

Previews

White Background



This preview shows how the XYZ color 76.0772, 90.5553, 92.8261 looks on a white background.

Color Contrast Check

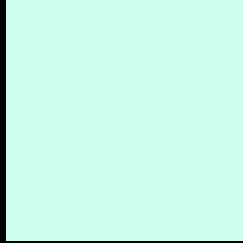
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.0772, 90.5553, 92.8261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

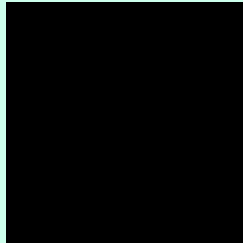
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

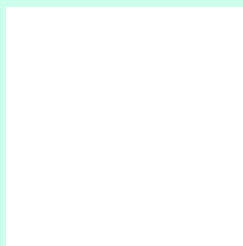
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0772, 90.5553, 92.8261

Background



This preview shows how black text looks on a background with the XYZ color 76.0772, 90.5553, 92.8261.



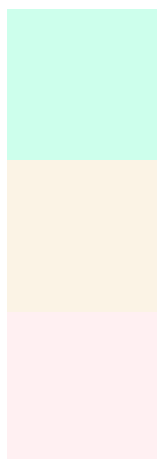
This preview shows how white text looks on a background with the XYZ color 76.0772, 90.5553,

92.8261.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.0772, 90.5553, 92.8261

Protanopia

85.9771, 90.2676, 87.0206

Deuteranopia

88.4271, 89.9910, 96.7138



Tritanopia

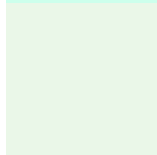
83.9608, 90.1205, 107.5775

Trichromacy



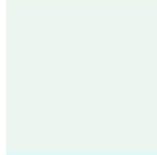
Original Color

76.0772, 90.5553, 92.8261



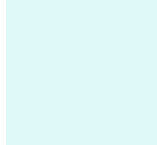
Protanomaly

81.7579, 89.8401, 89.3757



Deuteranomaly

83.3056, 89.6006, 95.3420



Tritanomaly

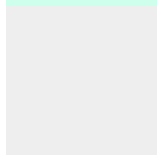
80.9432, 90.0583, 101.9238

Monochromacy



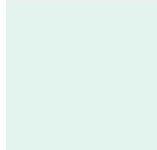
Original Color

76.0772, 90.5553, 92.8261



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.0008, 86.9845, 92.7467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0772, 90.5553, 92.8261 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 76.0772, 90.5553, 92.8261 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 255, 236) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 255, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(205, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0772, 90.5553, 92.8261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
255, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor