

Converting Colors

XYZ(80.7901, 100.0000,
93.1950)

Have a look what the booklet for
XYZ(80.7901, 100.0000, 93.1950)
contains.

XYZ(76.0649, 90.5823, 91.3170)	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(76.0649, 90.5823,
91.3170)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFEA
RGB	206, 255, 234
RGB Percent	81%, 100%, 92%
CMY	0.1921, 0.0000, 0.0823
CMYK	0.19, 0.00, 0.08, 0.00
HSL	154°, 100%, 90%
HSV	154°, 19%, 100%
XYZ	76.0649, 90.5823, 91.3170
YIQ	237.9550, -22.4630, -16.9190

Conversions

Conversions Part 2

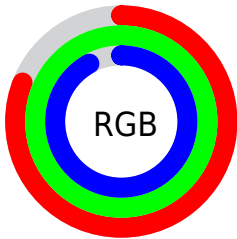
Format	Color
R _Y B	206, 237, 255
Decimal	13565930
CIE Lab	96.24, -19.57, 4.91
CIE LCh	96, 20.175, 165.928
Yxy	90.5823, 0.2949, 0.3511
Android (android.graphics.Color)	4291756010 (0xFFCEFFEA)
YUV	237.9550, -1.9498, -28.0245
Hunter-Lab	95.1747, -23.8962, 9.7355

Details

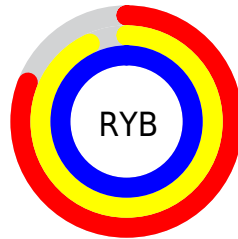
The XYZ color **76.0649, 90.5823, 91.3170** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1770, 70.9497, 82.3003**, and the grayscale version is **81.2600, 85.4918, 93.1006**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9925, 50.1818, 49.6450** is the 20% darker color. If you saturate the color by 10%, you get **68.0288, 86.6154, 82.9972**, and if you desaturate by 10%, it is **85.3481, 95.1809, 100.2036**.

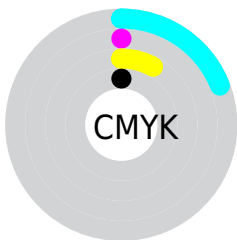
Distribution



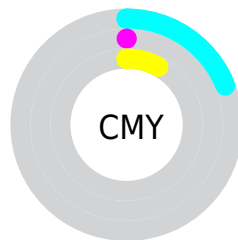
- Red (81%)
- Green (100%)
- Blue (92%)



- Red (81%)
- Yellow (93%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0649, 90.5823, 91.3170 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 76.0649, 90.5823, 91.3170 by changing the saturation by 10% instead.


 76.0649, 90.5823,
91.3170

 76.0649, 90.5823,
91.3170


470.5108,
529.9232, 552.9860

 56.7830, 68.4637,
68.4936


126.7985,
148.1470, 151.1179

 41.0705, 50.2751,
49.8302


158.9809,
184.3618, 188.9325

 28.5621, 35.6320,
34.9083


196.1942,
226.0442, 232.5812

 18.8924, 24.1501,
23.3092

238.8036,
273.5786, 282.4826

 11.6961, 15.4450,
14.6146

287.1747,
327.3493, 339.0553

 6.6078, 9.1323,
8.4057

341.6726,

 3.2622, 4.8276,

387.7407, 402.7177

4.2642

402.6629,
455.1372, 473.8884

■ 1.2939, 2.1465,
1.7714

■ 0.1786, 0.6906,
0.4090

■ 76.0649, 90.5823,
91.3170

■ 76.0649, 90.5823,
91.3170

■ 68.0288, 86.6154,
82.9972

■ 85.3481, 95.1809,
100.2036

■ 61.1801, 83.2496,
75.2281

95.0500, 100.0000,
108.9000

■ 55.4580, 80.4539,
67.9989

■ 50.7951, 78.1936,
61.2970

■ 47.1165, 76.4303,
55.1090

■ 44.3367, 75.1203,
49.4208

■ 42.3544, 74.2115,
44.2169

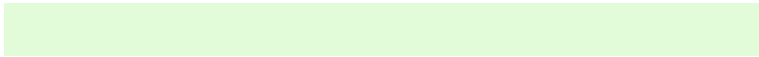
■ 41.0184, 73.6263,
39.4796

■ 40.9265, 73.5866,
39.1264

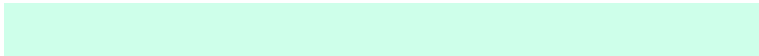
Harmonies

Analogous

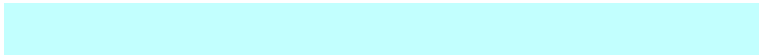
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5867, 90.5823, 78.6908



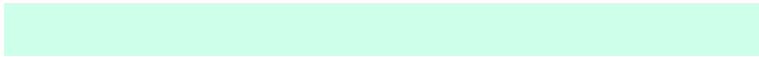
76.0649, 90.5823, 91.3170



76.1481, 90.5823, 107.3387

Triad

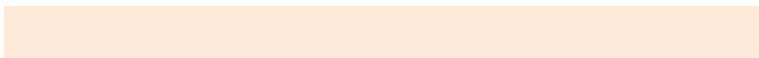
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0649, 90.5823, 91.3170



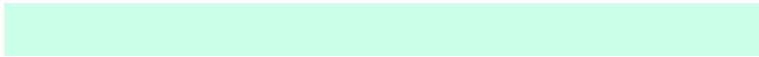
89.0856, 90.5823, 131.3649



93.8071, 90.5823, 78.0846

Complementary

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



76.0649, 90.5823, 91.3170



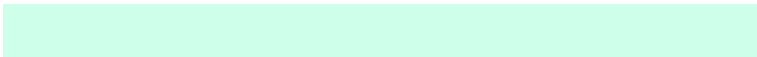
77.1770, 70.9497, 82.3003

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.



96.8741, 90.5823, 90.4032



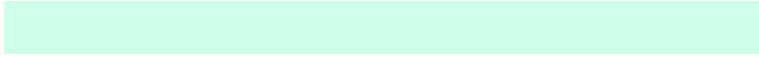
76.0649, 90.5823, 91.3170



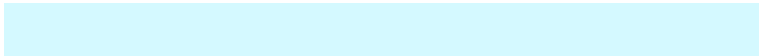
94.0685, 90.5823, 121.6785

Square

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



76.0649, 90.5823, 91.3170



83.5034, 90.5823, 131.6782



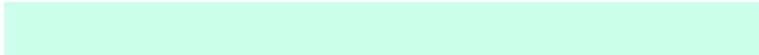
96.9718, 90.5823, 106.3207



88.7413, 90.5823, 71.6309

Rectangle

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



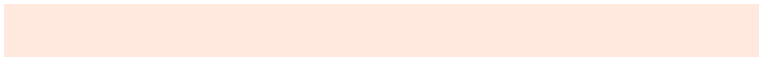
76.0649, 90.5823, 91.3170



77.6651, 90.5823, 117.8588



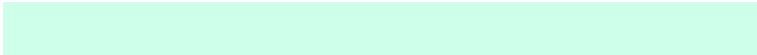
96.9718, 90.5823, 106.3207



95.1155, 90.5823, 81.6131

Sweetspot

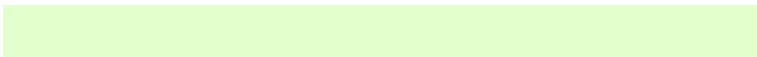
The Sweet Spot groups the original color and five complimentary colors.



76.0658, 90.5828, 91.3185



88.6055, 96.7977, 103.1816



78.6534, 92.3454, 72.0729



18.8212, 20.6472, 21.9546



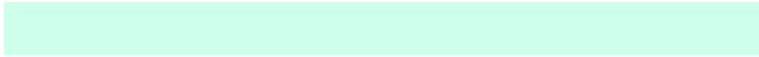
0.0000, 0.0000, 0.0000



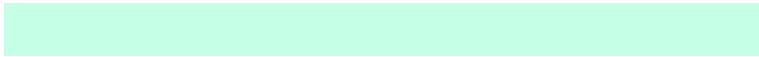
20.3446, 21.4041, 23.3091

Same Dimension

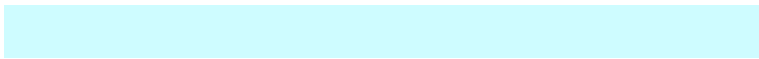
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0658, 90.5828, 91.3185



72.8801, 89.0084, 88.1030



78.2310, 89.7957, 107.8168



18.2066, 20.3422, 21.3909



21.4613, 38.4811, 20.8463



2.1444, 3.7687, 2.3181

Inverse Universe

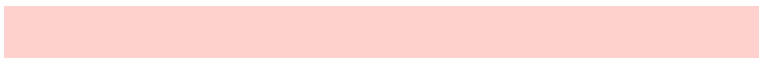
The Inverse Universe completely reimagines the original color for something new.



77.1770, 70.9497, 82.3003



74.1748, 66.1443, 77.6033



75.2473, 71.4493, 68.2191



18.3325, 18.1163, 20.3681



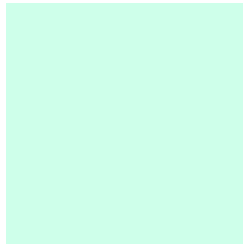
23.0703, 11.7174, 9.0205



2.2997, 1.1622, 1.1596

Previews

White Background



This preview shows how the XYZ color 76.0649, 90.5823, 91.3170 looks on a white background.

Color Contrast Check

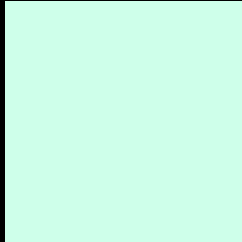
Large Text (above 18pt) WCAG AA × Fail

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 76.0649, 90.5823, 91.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

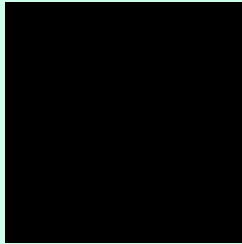
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

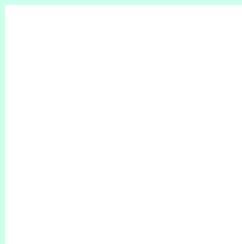
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0649, 90.5823, 91.3170

Background



This preview shows how black text looks on a background with the XYZ color 76.0649, 90.5823, 91.3170.



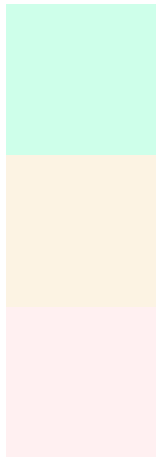
This preview shows how white text looks on a background with the XYZ color 76.0649, 90.5823,

91.3170.

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

76.0649, 90.5823, 91.3170

Protanopia

86.0606, 90.3427, 85.5750

Deuteranopia

88.2773, 89.9311, 95.9248



Tritanopia

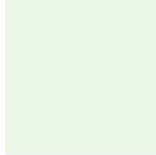
83.9608, 90.1205, 107.5775

Trichromacy



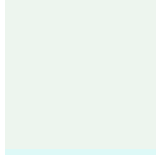
Original Color

76.0649, 90.5823, 91.3170



Protanomaly

81.8046, 89.8969, 87.9032



Deuteranomaly

83.0101, 89.4824, 93.7856



Tritanomaly

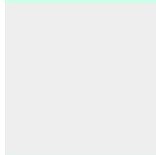
80.7884, 89.9964, 101.1087

Monochromacy



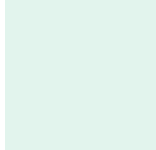
Original Color

76.0649, 90.5823, 91.3170



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 76.0649, 90.5823, 91.3170 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(206, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 234)  
}
```

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(206, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 76.0649, 90.5823, 91.3170 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(206, 255, 234) }
```


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

```
.border{ border-color:rgb(206, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(206, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0649, 90.5823, 91.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 234) }
```

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

```
.background{ background-color: rgb(206,  
255, 234) }
```

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