

Converting Colors

XYZ(76.7380, 90.8505, 94.9108)

Have a look what the booklet for
XYZ(76.7380, 90.8505, 94.9108)
contains.

XYZ(76.7936, 90.8738, 95.1543)	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(76.7936, 90.8738,
95.1543)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFEF
RGB	206, 255, 239
RGB Percent	81%, 100%, 94%
CMY	0.1921, 0.0000, 0.0627
CMYK	0.19, 0.00, 0.06, 0.00
HSL	160°, 100%, 90%
HSV	160°, 19%, 100%
XYZ	76.7936, 90.8738, 95.1543
YIQ	238.5250, -24.0680, -15.3640

Conversions

Conversions Part 2

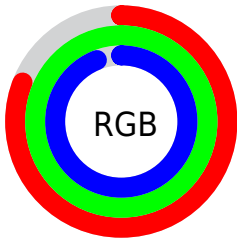
Format	Color
R_{YB}	206, 235, 255
Decimal	13565935
CIE Lab	96.36, -18.61, 2.51
CIE LCh	96, 18.778, 172.328
Yxy	90.8738, 0.2922, 0.3458
Android (android.graphics.Color)	4291756015 (0xFFCEFFEF)
YUV	238.5250, 0.2342, -28.5244
Hunter-Lab	95.3278, -23.0285, 7.5473

Details

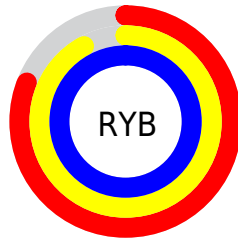
The XYZ color **76.7936, 90.8738, 95.1543** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4967, 70.6777, 78.7179**, and the grayscale version is **81.6863, 85.9403, 93.5890**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5038, 50.3864, 52.3378** is the 20% darker color. If you saturate the color by 10%, you get **69.0776, 87.0349, 88.5202**, and if you desaturate by 10%, it is **85.7165, 95.3283, 102.1436**.

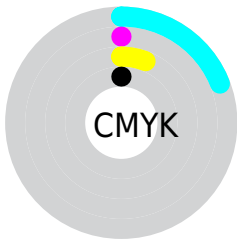
Distribution



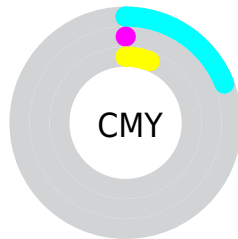
- Red (81%)
- Green (100%)
- Blue (94%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7936, 90.8738, 95.1543 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 76.7936, 90.8738, 95.1543 by changing the saturation by 10% instead.


 76.7936, 90.8738,
95.1543

 76.7936, 90.8738,
95.1543

472.9628,
530.8692, 565.6558

 57.3828, 68.7056,
71.6658

127.8225,
148.5515, 156.4752

 41.5540, 50.4720,
52.4006


160.1713,
184.8299, 195.1446

 28.9418, 35.7886,
36.9400


197.5635,
226.5804, 239.7115

 19.1809, 24.2709,
24.8656

240.3644,
274.1874, 290.5943

 11.9058, 15.5347,
15.7589

288.9395,
328.0355, 348.2116

 6.7513, 9.1955,
9.2012

343.6540,

 3.3520, 4.8689,

388.5088, 412.9819

4.7740

404.8733,
455.9919, 485.3238

■ 1.3425, 2.1706,
2.0589

■ 0.2147, 0.7039,
0.5911

■ 76.7936, 90.8738,
95.1543

■ 76.7936, 90.8738,
95.1543

■ 69.0776, 87.0349,
88.5202

■ 85.7165, 95.3283,
102.1436

■ 62.5098, 83.7815,
82.2302

95.0500, 100.0000,
108.9000

■ 57.0304, 81.0828,
76.2791

■ 52.5731, 78.9048,
70.6596

■ 49.0639, 77.2093,
65.3641

■ 46.4186, 75.9531,
60.3843

■ 44.5372, 75.0846,
55.7111

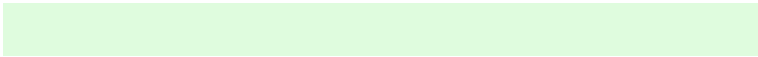
■ 43.2694, 74.5267,
51.3331

■ 43.1815, 74.4886,
51.0010

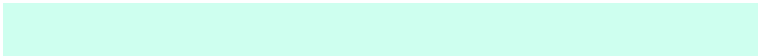
Harmonies

Analogous

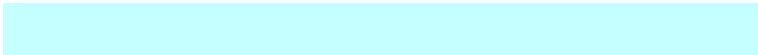
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6621, 90.8738, 82.3826



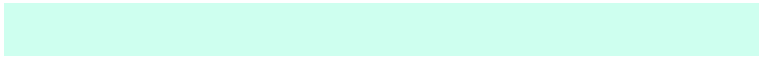
76.7936, 90.8738, 95.1543



77.4086, 90.8738, 110.2849

Triad

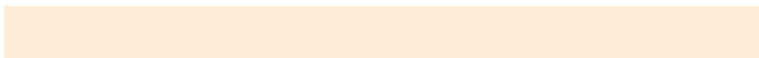
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7936, 90.8738, 95.1543



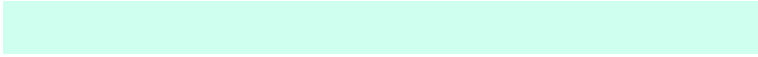
90.2462, 90.8738, 128.0201



92.6595, 90.8738, 77.8740

Complementary

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



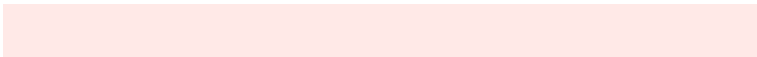
76.7936, 90.8738, 95.1543



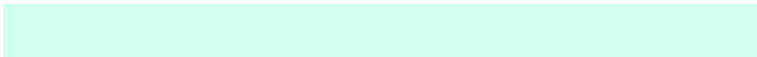
76.4967, 70.6777, 78.7179

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.



96.0037, 90.8738, 88.4125



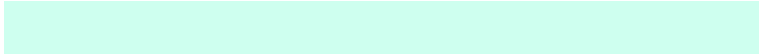
76.7936, 90.8738, 95.1543



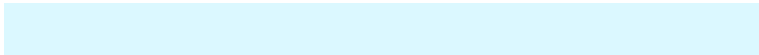
94.5717, 90.8738, 117.5930

Square

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



76.7936, 90.8738, 95.1543



85.0385, 90.8738, 130.2891



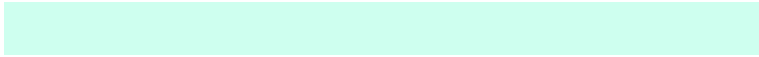
96.7173, 90.8738, 102.8374



87.7211, 90.8738, 73.0819

Rectangle

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



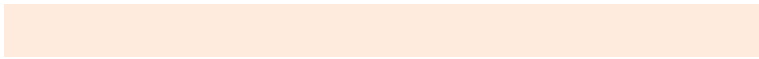
76.7936, 90.8738, 95.1543



79.1560, 90.8738, 119.6136



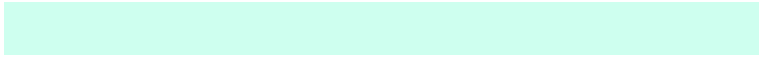
96.7173, 90.8738, 102.8374



94.0154, 90.8738, 80.8080

Sweetspot

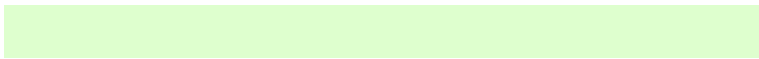
The Sweet Spot groups the original color and five complimentary colors.



76.7945, 90.8742, 95.1558



88.8494, 96.8952, 104.4659



77.1277, 91.5589, 72.0015



18.8789, 20.6703, 22.2584



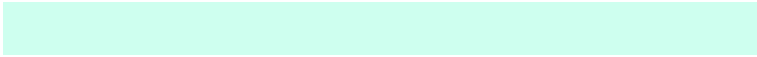
0.0000, 0.0000, 0.0000



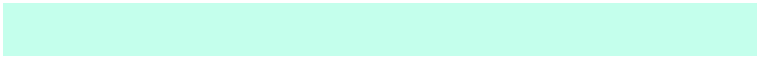
20.3446, 21.4041, 23.3091

Same Dimension

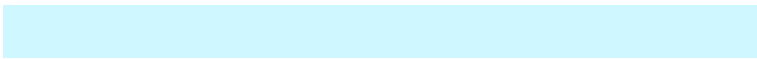
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7945, 90.8742, 95.1558



73.7347, 89.3502, 92.6030



76.7142, 86.7620, 107.3112



18.2878, 20.3747, 21.8185



22.6349, 38.9505, 27.0263



2.2542, 3.8126, 2.8964

Inverse Universe

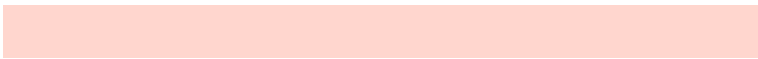
The Inverse Universe completely reimagines the original color for something new.



76.4967, 70.6777, 78.7179



73.3890, 65.8300, 73.4656



76.4701, 73.8949, 68.6267



18.2539, 18.0849, 19.9540



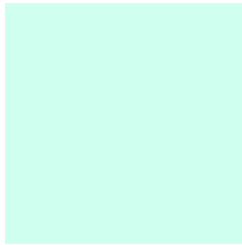
22.4305, 11.4615, 5.6517



2.2318, 1.1351, 0.8020

Previews

White Background



This preview shows how the XYZ color 76.7936, 90.8738, 95.1543 looks on a white background.

Color Contrast Check

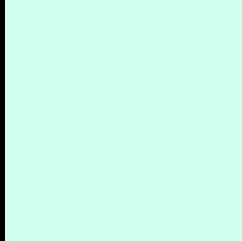
Large Text (above 18pt) WCAG AA × Fail

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 76.7936, 90.8738, 95.1543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

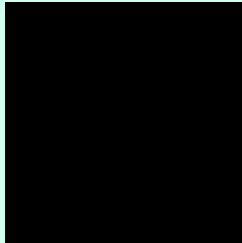
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

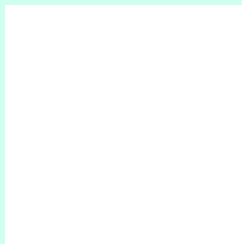
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7936, 90.8738, 95.1543

Background



This preview shows how black text looks on a background with the XYZ color 76.7936, 90.8738, 95.1543.



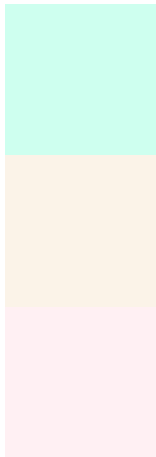
This preview shows how white text looks on a background with the XYZ color 76.7936, 90.8738,

95.1543.

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

76.7936, 90.8738, 95.1543

Protanopia

86.3997, 90.4366, 89.2462

Deuteranopia

88.5778, 90.0512, 97.5071



Tritanopia

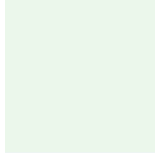
84.5895, 90.8973, 107.6943

Trichromacy



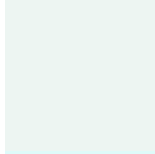
Original Color

76.7936, 90.8738, 95.1543



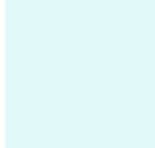
Protanomaly

82.5171, 90.1819, 91.6550



Deuteranomaly

83.6045, 89.7201, 96.9157



Tritanomaly

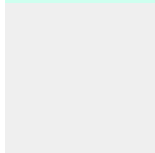
81.7159, 90.8987, 102.8609

Monochromacy



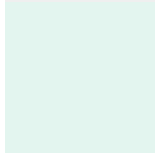
Original Color

76.7936, 90.8738, 95.1543



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9109, 87.8677, 94.4098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7936, 90.8738, 95.1543 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 76.7936, 90.8738, 95.1543 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, 239) }
```


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

```
.border{ border-color:rgb(206, 255, 239) }
```

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, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7936, 90.8738, 95.1543 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, 239) }
```

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

```
.background{ background-color: rgb(206,  
255, 239) }
```

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