

Converting Colors

XYZ(80.2583, 91.1962,
120.3295)

Have a look what the booklet for
XYZ(80.2583, 91.1962, 120.3295)
contains.

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Color

**XYZ(77.8039, 90.1671,
107.9110)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFDFF
RGB	203, 253, 255
RGB Percent	80%, 99%, 100%
CMY	0.2039, 0.0078, 0.0000
CMYK	0.20, 0.01, 0.00, 0.00
HSL	182°, 100%, 90%
HSV	182°, 20%, 100%
XYZ	77.8039, 90.1671, 107.9110
YIQ	238.2780, -30.4420, -9.9780

Conversions

Conversions Part 2

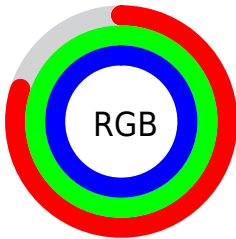
Format	Color
RYB	203, 228, 255
Decimal	13368831
CIELab	96.07, -15.32, -6.19
CIElCh	96, 16.520, 201.990
Yxy	90.1671, 0.2820, 0.3268
Android (android.graphics.Color)	4291558911 (0xFFCBBFDF)
YUV	238.2780, 8.2439, -30.9388
Hunter-Lab	94.9564, -19.9170, -0.9093

Details

The XYZ color **77.8039, 90.1671, 107.9110** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8506, 69.2335, 65.9727**, and the grayscale version is **81.4404, 85.6816, 93.3073**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1457, 49.8530, 60.8274** is the 20% darker color. If you saturate the color by 10%, you get **71.1150, 86.2639, 107.5102**, and if you desaturate by 10%, it is **85.6412, 94.6694, 108.3670**.

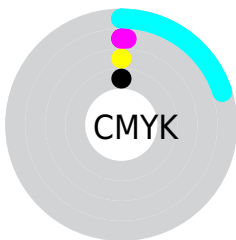
Distribution



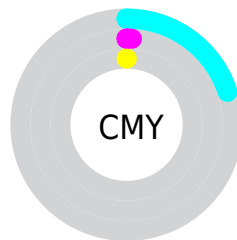
- Red (80%)
- Green (99%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8039, 90.1671, 107.9110 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 77.8039, 90.1671, 107.9110 by changing the saturation by 10% instead.

77.8039, 90.1671,
107.9110

77.8039, 90.1671,
107.9110

476.3506,
528.5743, 606.7311

58.2151, 68.1192,
82.2700

129.2405,
147.5705, 174.1333

42.2256, 49.9948,
61.0510

161.8190,
183.6948, 215.5517

29.4698, 35.4092,
43.8355

199.4581,
225.2801, 263.0663

19.5826, 23.9783,
30.2050

242.5232,
272.7106, 317.0956

12.1985, 15.3175,
19.7408

291.3797,
326.3710, 378.0582

6.9522, 9.0425,
12.0246

346.3928,

3.4783, 4.7689,

386.6454, 446.3726

6.6377

407.9280,
453.9184, 522.4574

■ 1.4114, 2.1123,
3.1616

■ 0.2644, 0.6715,
1.1777

■ 77.8039, 90.1671,
107.9110

■ 77.8039, 90.1671,
107.9110

■ 71.1150, 86.2639,
107.5102

■ 85.6412, 94.6694,
108.3670

■ 65.5117, 82.9203,
107.1601

94.6719, 99.7870,
108.8788

■ 60.9359, 80.1087,
106.8586

95.0500, 100.0000,
108.9000

■ 57.3212, 77.7950,
106.6025

■ 54.5934, 75.9408,
106.3884

■ 52.6676, 74.5024,
106.2123

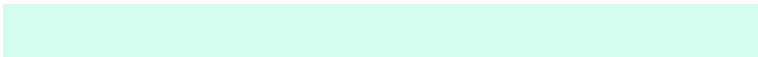
■ 51.4422, 73.4274,
106.0694

■ 50.7680, 72.6561,
105.9560

Harmonies

Analogous

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



77.2857, 90.1671, 94.7094



77.8039, 90.1671, 107.9110



80.3998, 90.1671, 119.3840

Triad

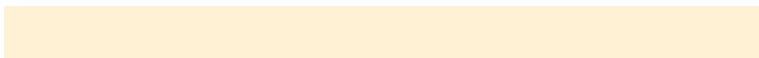
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8039, 90.1671, 107.9110



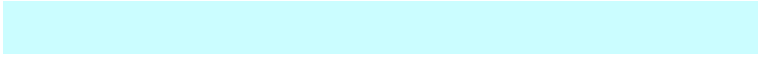
92.8173, 90.1671, 114.5142



86.9322, 90.1671, 75.2922

Complementary

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



77.8039, 90.1671, 107.9110



73.8506, 69.2335, 65.9727

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.



91.2305, 90.1671, 79.6424



77.8039, 90.1671, 107.9110



94.7063, 90.1671, 101.7275

Square

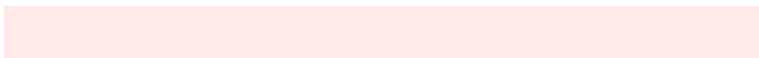
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8039, 90.1671, 107.9110



89.0359, 90.1671, 123.4263



94.1154, 90.1671, 89.0460



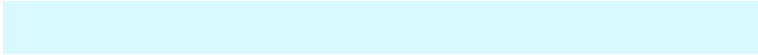
82.4507, 90.1671, 76.6292

Rectangle

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



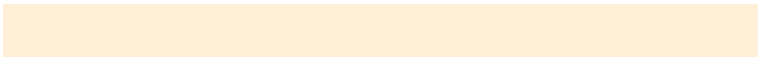
77.8039, 90.1671, 107.9110



83.0112, 90.1671, 124.1245



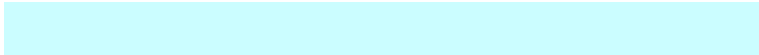
94.1154, 90.1671, 89.0460



88.4485, 90.1671, 76.1231

Sweetspot

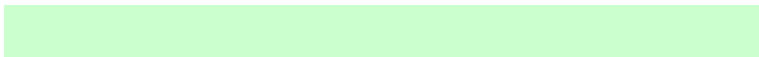
The Sweet Spot groups the original color and five complimentary colors.



77.8063, 90.1707, 107.9116



89.4564, 96.8388, 108.5847



71.3770, 88.6119, 70.9325



19.0227, 20.6568, 23.2345



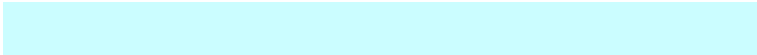
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.8063, 90.1707, 107.9116



75.2624, 88.6939, 107.7606



70.2219, 75.0019, 105.3835



18.4916, 20.3548, 23.2042



26.5538, 38.0173, 55.3731



2.6033, 3.7374, 5.3974

Inverse Universe

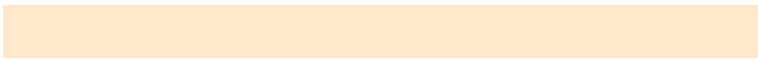
The Inverse Universe completely reimagines the original color for something new.



80.3270, 71.0654, 102.4161



78.1615, 66.8243, 101.4169



80.5215, 82.5753, 68.1964



18.7608, 18.2876, 22.6234



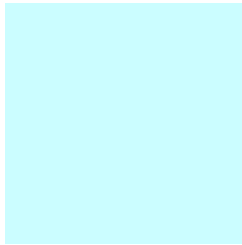
30.1914, 14.5658, 46.5196



2.9487, 1.4218, 4.5770

Previews

White Background



This preview shows how the XYZ color 77.8039, 90.1671, 107.9110 looks on a white background.

Color Contrast Check

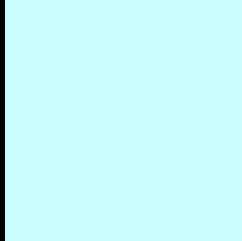
Large Text (above 18pt) WCAG AA × Fail

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 77.8039, 90.1671, 107.9110 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 77.8039, 90.1671, 107.9110

Background



This preview shows how black text looks on a background with the XYZ color 77.8039, 90.1671, 107.9110.

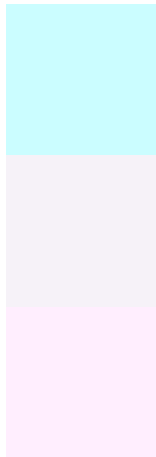


This preview shows how white text looks on a background with the XYZ color 77.8039, 90.1671,

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

77.8039, 90.1671, 107.9110

Protanopia

86.7014, 89.8744, 101.5848

Deuteranopia

89.7039, 89.5648, 106.3258



Tritanopia

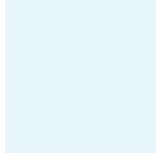
83.3189, 89.7895, 107.5475

Trichromacy



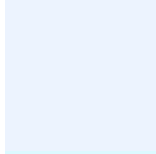
Original Color

77.8039, 90.1671, 107.9110



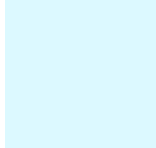
Protanomaly

83.0015, 89.6996, 104.2059



Deuteranomaly

84.5321, 89.0898, 106.5067



Tritanomaly

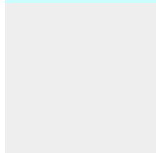
81.4409, 90.1870, 107.7232

Monochromacy



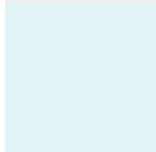
Original Color

77.8039, 90.1671, 107.9110



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.4311, 86.6404, 98.1248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8039, 90.1671, 107.9110 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(203, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 253, 255)  
}
```

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(203, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8039, 90.1671, 107.9110 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(203, 253, 255) }
```


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

```
.border{ border-color:rgb(203, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8039, 90.1671, 107.9110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 253, 255) }
```

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

```
.background{ background-color: rgb(203,  
253, 255) }
```

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](#).

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