

Converting Colors

XYZ(55.9254, 78.4872,
106.8097)

Have a look what the booklet for
XYZ(55.9254, 78.4872, 106.8097)
contains.

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Color

**XYZ(55.9210, 78.4186,
106.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFCFF
RGB	77, 252, 255
RGB Percent	30%, 99%, 100%
CMY	0.6980, 0.0118, 0.0000
CMYK	0.70, 0.01, 0.00, 0.00
HSL	181°, 100%, 65%
HSV	181°, 70%, 100%
XYZ	55.9210, 78.4186, 106.7967
YIQ	200.0170, -105.2630, -36.1670

Conversions

Conversions Part 2

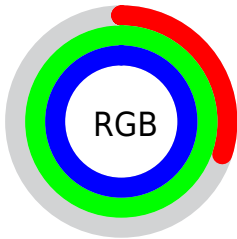
Format	Color
RYB	77, 165, 255
Decimal	5111039
CIELab	90.97, -42.11, -14.28
CIELCh	91, 44.467, 198.735
Yxy	78.4186, 0.2319, 0.3252
Android (android.graphics.Color)	4283301119 (0xFF4DFCFF)
YUV	200.0170, 27.1066, -107.8859
Hunter-Lab	88.5543, -42.2493, -9.5159

Details

The XYZ color **55.9210, 78.4186, 106.7967** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.4492, 27.5345, 9.9426**, and the grayscale version is **54.7980, 57.6517, 62.7827**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **29.7081, 43.1074, 60.1809** is the 20% darker color. If you saturate the color by 10%, you get **54.1181, 77.2910, 106.6741**, and if you desaturate by 10%, it is **58.5342, 79.9679, 106.9580**.

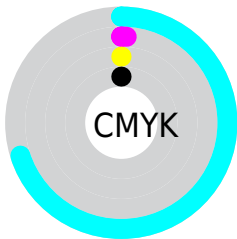
Distribution



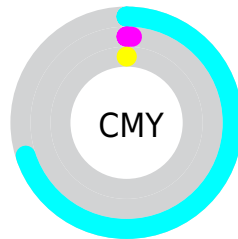
- Red (30%)
- Green (99%)
- Blue (100%)



- Red (30%)
- Yellow (65%)
- Blue (100%)



- Cyan (70%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9210, 78.4186, 106.7967 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 55.9210, 78.4186, 106.7967 by changing the saturation by 10% instead.

 55.9210, 78.4186,
106.7967


 55.9210, 78.4186,
106.7967

399.4736,
489.5873, 603.2024


 40.3763, 58.4179,
81.3403


 98.0295, 131.1400,
172.5995


 28.0176, 42.1447,
60.2893


 125.3241,
164.6296, 213.7831

 18.4795, 29.2146,
43.2250

 157.2661,
203.3842, 261.0461

 11.3965, 19.2432,
29.7290

 194.2207,
247.7883, 314.8072

 6.4035, 11.8462,
19.3827

236.5535,
298.2263, 375.4848

 3.1349, 6.6390,
11.7675

284.6296,

 1.2255, 3.2374,

355.0825, 443.4975

6.4650

338.8145,
418.7414, 519.2639

■ 0.1264, 1.2569,
3.0565

■ 0.0000, 0.1074,
1.1236

■ 55.9210, 78.4186,
106.7967

■ 55.9210, 78.4186,
106.7967

■ 54.1181, 77.2910,
106.6741

■ 58.5342, 79.9679,
106.9580

■ 53.0189, 76.5249,
106.5841

■ 62.0357, 81.9737,
107.1606

■ 52.4649, 76.0403,
106.5198

■ 66.5011, 84.4770,
107.4085

■ 52.4558, 76.0316,
106.5186

■ 71.9964, 87.5117,
107.7046

■ 78.5819, 91.1087,
108.0518

■ 86.3129, 95.2969,
108.4527

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.3228, 78.4186, 73.8793



55.9210, 78.4186, 106.7967



61.1973, 78.4186, 140.7280

Triad

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



55.9210, 78.4186, 106.7967



91.9472, 78.4186, 132.9379



78.8270, 78.4186, 38.0084

Complementary

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



55.9210, 78.4186, 106.7967



45.4492, 27.5345, 9.9426

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.



89.6811, 78.4186, 46.8671



55.9210, 78.4186, 106.7967



97.7470, 78.4186, 98.0262

Square

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



55.9210, 78.4186, 106.7967



81.6776, 78.4186, 158.2418



96.8783, 78.4186, 67.0446



67.8206, 78.4186, 39.2355

Rectangle

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



55.9210, 78.4186, 106.7967



66.9838, 78.4186, 156.8387



96.8783, 78.4186, 67.0446



82.6324, 78.4186, 39.7935

Sweetspot

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



55.9231, 78.4214, 106.7971



77.7316, 90.6461, 108.0073



40.2687, 73.6771, 19.6840



16.2326, 19.1812, 23.0967



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.



55.9231, 78.4214, 106.7971



53.5769, 76.9282, 106.6326



34.2157, 35.0067, 99.5613



18.5271, 20.4259, 23.2160



27.4212, 39.7521, 55.6623



2.6780, 3.8866, 5.4223

Inverse Universe

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



61.4660, 33.5979, 95.3440



59.5008, 29.8220, 94.2131



56.7628, 50.1617, 13.7138



18.7787, 18.2948, 22.7178



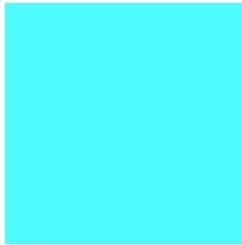
30.6292, 14.7410, 48.8251



2.9863, 1.4369, 4.7754

Previews

White Background



This preview shows how the XYZ color 55.9210, 78.4186, 106.7967 looks on a white background.

Color Contrast Check

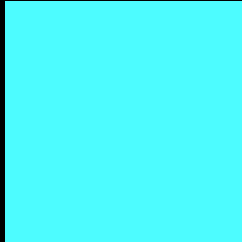
Large Text (above 18pt) WCAG AA × Fail

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 55.9210, 78.4186, 106.7967 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

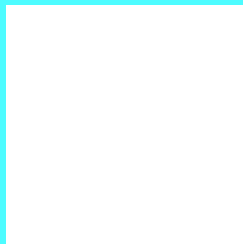
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.9210, 78.4186, 106.7967

Background



This preview shows how black text looks on a background with the XYZ color 55.9210, 78.4186, 106.7967.

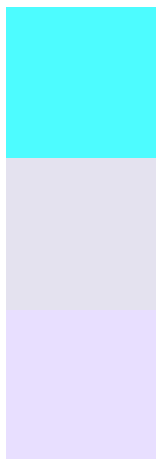


This preview shows how white text looks on a background with the XYZ color 55.9210, 78.4186,

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

55.9210, 78.4186, 106.7967

Protanopia

74.7713, 77.1187, 92.6059

Deuteranopia

77.7164, 77.1512, 105.4033



Tritanopia

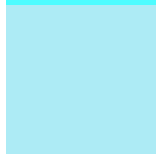
63.9027, 77.9934, 106.2939

Trichromacy



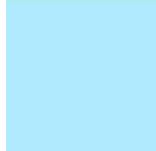
Original Color

55.9210, 78.4186, 106.7967



Protanomaly

63.4233, 74.8935, 97.4993



Deuteranomaly

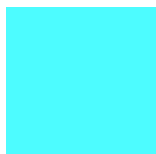
65.3773, 75.2957, 105.6955



Tritanomaly

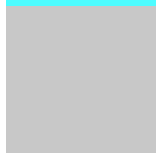
60.0590, 77.7987, 106.4589

Monochromacy



Original Color

55.9210, 78.4186, 106.7967



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.7674, 62.7989, 77.1031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9210, 78.4186, 106.7967 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(77, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 252, 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(77, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.9210, 78.4186, 106.7967 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(77, 252, 255) }
```


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

```
.border{ border-color:rgb(77, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9210, 78.4186, 106.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 252, 255) }
```

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

```
.background{ background-color: rgb(77, 252,  
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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