

Converting Colors

XYZ(55.7744, 78.7579,
106.8699)

Have a look what the booklet for
XYZ(55.7744, 78.7579, 106.8699)
contains.

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Color

**XYZ(55.8478, 78.8483,
106.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	48FDFF
RGB	72, 253, 255
RGB Percent	28%, 99%, 100%
CMY	0.7176, 0.0078, 0.0000
CMYK	0.72, 0.01, 0.00, 0.00
HSL	181°, 100%, 64%
HSV	181°, 72%, 100%
XYZ	55.8478, 78.8483, 106.8835
YIQ	199.1090, -108.5180, -37.7500

Conversions

Conversions Part 2

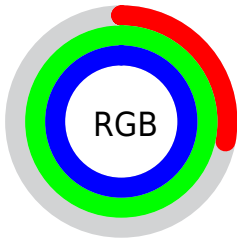
Format	Color
RYB	72, 163, 255
Decimal	4783615
CIELab	91.17, -43.13, -14.00
CIElCh	91, 45.349, 197.982
Yxy	78.8483, 0.2312, 0.3264
Android (android.graphics.Color)	4282973695 (0xFF48FDFF)
YUV	199.1090, 27.5543, -111.4746
Hunter-Lab	88.7966, -43.1280, -9.2092

Details

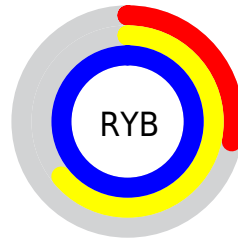
The XYZ color **55.8478, 78.8483, 106.8835** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.8595, 26.6268, 8.9082**, and the grayscale version is **54.2402, 57.0649, 62.1437**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **29.9330, 43.5571, 60.2558** is the 20% darker color. If you saturate the color by 10%, you get **54.2387, 77.8902, 106.7834**, and if you desaturate by 10%, it is **58.2490, 80.2184, 107.0214**.

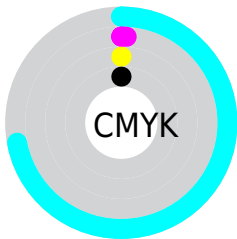
Distribution



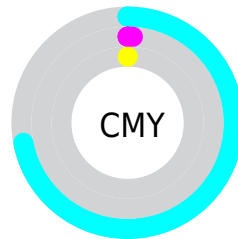
- Red (28%)
- Green (99%)
- Blue (100%)



- Red (28%)
- Yellow (64%)
- Blue (100%)



- Cyan (72%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8478, 78.8483, 106.8835 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 55.8478, 78.8483, 106.8835 by changing the saturation by 10% instead.

 55.8478, 78.8483,
106.8835


 55.8478, 78.8483,
106.8835


399.2020,
491.0430, 603.4777


 40.3174, 58.7711,
81.4127


 97.9231, 131.7453,
172.7191


 27.9714, 42.4289,
60.3486


 125.1988,
165.3338, 213.9210

 18.4445, 29.4373,
43.2725


 157.1202,
204.1950, 261.2036

 11.3712, 19.4118,
29.7660

 194.0528,
248.7131, 314.9856

 6.3862, 11.9682,
19.4105

236.3620,
299.2725, 375.6855

 3.1242, 6.7221,
11.7875

284.4130,

 1.2198, 3.2889,

356.2577, 443.7218

6.4784

338.5712,
420.0531, 519.5130

■ 0.1219, 1.2844,
3.0646

■ 0.0000, 0.1290,
1.1277

■ 55.8478, 78.8483,
106.8835

■ 55.8478, 78.8483,
106.8835

■ 54.2387, 77.8902,
106.7834

■ 58.2490, 80.2184,
107.0214

■ 53.3106, 77.2817,
106.7148

■ 61.5226, 82.0367,
107.1998

■ 52.9290, 76.9779,
106.6763

■ 65.7463, 84.3449,
107.4227

■ 70.9872, 87.1777,
107.6933

■ 77.3067, 90.5668,
108.0144

■ 84.7611, 94.5411,
108.3886

■ 93.4028, 99.1277,
108.8184

■ 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.



55.3607, 78.8483, 73.3507



55.8478, 78.8483, 106.8835



61.1178, 78.8483, 141.9006

Triad

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



55.8478, 78.8483, 106.8835



92.5666, 78.8483, 135.4988



79.6337, 78.8483, 37.6783

Complementary

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



55.8478, 78.8483, 106.8835



44.8595, 26.6268, 8.9082

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.



90.7100, 78.8483, 46.9314



55.8478, 78.8483, 106.8835



98.6713, 78.8483, 99.6995

Square

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



55.8478, 78.8483, 106.8835



81.9657, 78.8483, 161.1084



97.9591, 78.8483, 67.7786



68.3333, 78.8483, 38.6698

Rectangle

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



55.8478, 78.8483, 106.8835



66.9686, 78.8483, 158.8024



97.9591, 78.8483, 67.7786



83.5264, 78.8483, 39.5716

Sweetspot

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



55.8499, 78.8511, 106.8839



77.1417, 90.4786, 108.0061



39.6036, 73.3663, 18.2069



16.1228, 19.1581, 23.0981



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.



55.8499, 78.8511, 106.8839



53.7687, 77.5928, 106.7507



33.9108, 34.9728, 99.5709



18.5369, 20.4454, 23.2193



27.6643, 40.2382, 55.7433



2.6988, 3.9284, 5.4293

Inverse Universe

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



61.2884, 32.9885, 96.0688



59.5290, 29.5705, 95.1713



55.5974, 48.1027, 12.4875



18.7837, 18.2968, 22.7438



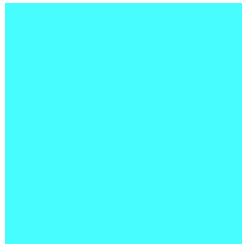
30.7519, 14.7900, 49.4712



2.9969, 1.4411, 4.8308

Previews

White Background



This preview shows how the XYZ color 55.8478, 78.8483, 106.8835 looks on a white background.

Color Contrast Check

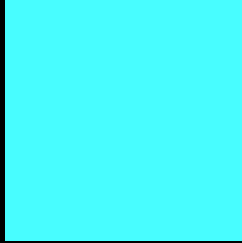
Large Text (above 18pt) WCAG AA × Fail

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 55.8478, 78.8483, 106.8835 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

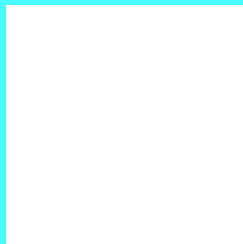
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8478, 78.8483, 106.8835

Background



This preview shows how black text looks on a background with the XYZ color 55.8478, 78.8483, 106.8835.

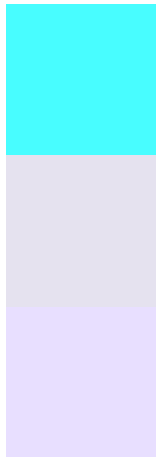


This preview shows how white text looks on a background with the XYZ color 55.8478, 78.8483,

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

55.8478, 78.8483, 106.8835

Protanopia

75.0894, 77.2827, 92.6208

Deuteranopia

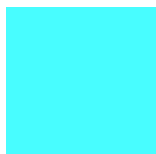
77.7164, 77.1512, 105.4033



Tritanopia

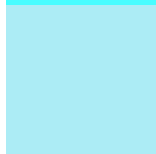
64.1002, 78.0952, 106.3032

Trichromacy



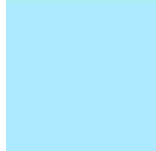
Original Color

55.8478, 78.8483, 106.8835



Protanomaly

63.4901, 75.3541, 97.5847



Deuteranomaly

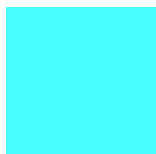
64.9284, 75.0643, 105.6745



Tritanomaly

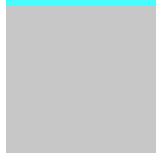
59.7582, 77.6436, 106.4449

Monochromacy



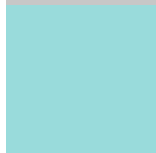
Original Color

55.8478, 78.8483, 106.8835



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.2546, 62.5498, 76.3898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8478, 78.8483, 106.8835 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(72, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.8478, 78.8483, 106.8835 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(72, 253, 255) }
```


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

```
.border{ border-color:rgb(72, 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(72, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8478, 78.8483, 106.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 253, 255) }
```

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

```
.background{ background-color: rgb(72, 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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