

Converting Colors

XYZ(55.1486, 78.0519,
106.7666)

Have a look what the booklet for
XYZ(55.1486, 78.0519, 106.7666)
contains.

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Color

**XYZ(55.1072, 77.9991,
106.7586)**

Conversions

Conversions Part 1

Format	Color
Hex	42FCFF
RGB	66, 252, 255
RGB Percent	26%, 99%, 100%
CMY	0.7411, 0.0117, 0.0000
CMYK	0.74, 0.01, 0.00, 0.00
HSL	181°, 100%, 63%
HSV	181°, 74%, 100%
XYZ	55.1072, 77.9991, 106.7586
YIQ	196.7280, -111.8190, -38.4990

Conversions

Conversions Part 2

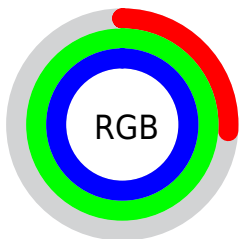
Format	Color
RYB	66, 160, 255
Decimal	4390143
CIELab	90.78, -43.33, -14.59
CIElCh	91, 45.719, 198.607
Yxy	77.9991, 0.2297, 0.3252
Android (android.graphics.Color)	4282580223 (0xFF42FCFF)
YUV	196.7280, 28.7281, -114.6485
Hunter-Lab	88.3171, -43.1763, -9.8484

Details

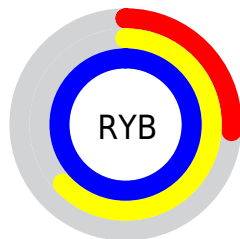
The XYZ color **55.1072, 77.9991, 106.7586** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.3525, 25.9110, 7.8201**, and the grayscale version is **52.7909, 55.5401, 60.4832**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **29.7081, 43.1074, 60.1809** is the 20% darker color. If you saturate the color by 10%, you get **53.6299, 77.0510, 106.6535**, and if you desaturate by 10%, it is **57.3539, 79.3477, 106.9005**.

Distribution



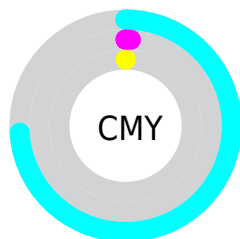
- Red (26%)
- Green (99%)
- Blue (100%)



- Red (26%)
- Yellow (63%)
- Blue (100%)



- Cyan (74%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1072, 77.9991, 106.7586 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 55.1072, 77.9991, 106.7586 by changing the saturation by 10% instead.


 55.1072, 77.9991,
106.7586


 55.1072, 77.9991,
106.7586


396.4480,
488.1638, 603.0816


 39.7217, 58.0732,
81.3086


 96.8454, 130.5489,
172.5471


 27.5049, 41.8675,
60.2633


 123.9289,
163.9415, 213.7226

 18.0913, 28.9976,
43.2042


 155.6424,
202.5919, 260.9770

 11.1157, 19.0790,
29.7128

 192.3513,
246.8845, 314.7289

 6.2125, 11.7274,
19.3705

234.4209,
297.2035, 375.3967

 3.0166, 6.5583,
11.7588

282.2167,

 1.1626, 3.1874,

353.9335, 443.3991

6.4591

336.1039,
417.4588, 519.1545

■ 0.0765, 1.2304,
3.0529

■ 0.0000, 0.0863,
1.1217

■ 55.1072, 77.9991,
106.7586

■ 55.1072, 77.9991,
106.7586

■ 53.6299, 77.0510,
106.6535

■ 57.3539, 79.3477,
106.9005

■ 52.8054, 76.4381,
106.5786

■ 60.4541, 81.1350,
107.0821

■ 52.5338, 76.1876,
106.5446

■ 64.4875, 83.4038,
107.3074

■ 69.5231, 86.1896,
107.5797

■ 75.6234, 89.5248,
107.9020

■ 82.8459, 93.4388,
108.2768

■ 91.2439, 97.9592,
108.7067

■ 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.



54.5189, 77.9991, 73.0326



55.1072, 77.9991, 106.7586



60.4662, 77.9991, 141.7862

Triad

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



55.1072, 77.9991, 106.7586



91.9754, 77.9991, 134.0099



78.5860, 77.9991, 36.7768

Complementary

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



55.1072, 77.9991, 106.7586



44.3525, 25.9110, 7.8201

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.



89.7244, 77.9991, 45.7553



55.1072, 77.9991, 106.7586



97.9706, 77.9991, 98.0491

Square

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



55.1072, 77.9991, 106.7586



81.4110, 77.9991, 160.1124



97.1067, 77.9991, 66.2964



67.3075, 77.9991, 37.9690

Rectangle

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



55.1072, 77.9991, 106.7586



66.3658, 77.9991, 158.5125



97.1067, 77.9991, 66.2964



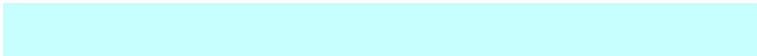
82.4898, 77.9991, 38.5874

Sweetspot

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



55.1093, 78.0019, 106.7591



77.0536, 90.3023, 107.9767



38.9915, 73.0723, 17.2057



16.1016, 19.1157, 23.0910



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.



55.1093, 78.0019, 106.7591



53.1531, 76.7133, 106.6134



32.9566, 33.6965, 99.3748



18.5287, 20.4291, 23.2166



27.4613, 39.8322, 55.6756



2.6814, 3.8935, 5.4235

Inverse Universe

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



60.7603, 32.1866, 95.1088



59.1325, 29.0833, 94.0963



54.8827, 46.9713, 11.3302



18.7795, 18.2951, 22.7221



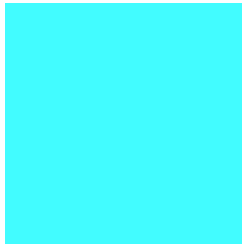
30.6494, 14.7491, 48.9316



2.9881, 1.4376, 4.7845

Previews

White Background



This preview shows how the XYZ color 55.1072, 77.9991, 106.7586 looks on a white background.

Color Contrast Check

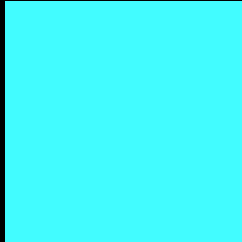
Large Text (above 18pt) WCAG AA × Fail

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 55.1072, 77.9991, 106.7586 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

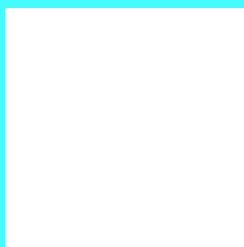
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1072, 77.9991, 106.7586

Background



This preview shows how black text looks on a background with the XYZ color 55.1072, 77.9991, 106.7586.

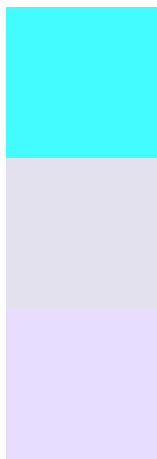


This preview shows how white text looks on a background with the XYZ color 55.1072, 77.9991,

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

55.1072, 77.9991, 106.7586

Protanopia

74.0364, 76.3544, 91.7247

Deuteranopia

77.1263, 76.4515, 105.2994



Tritanopia

62.8317, 77.0006, 106.1588

Trichromacy



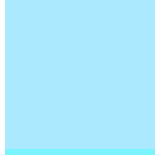
Original Color

55.1072, 77.9991, 106.7586



Protanomaly

62.1859, 74.2731, 96.6466



Deuteranomaly

63.9835, 74.1558, 105.5489



Tritanomaly

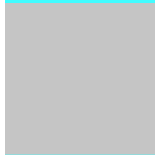
58.7284, 76.6624, 106.3097

Monochromacy



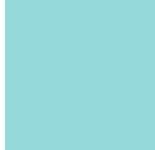
Original Color

55.1072, 77.9991, 106.7586



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.8622, 61.0772, 75.4907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1072, 77.9991, 106.7586 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(66, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.1072, 77.9991, 106.7586 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(66, 252, 255) }
```


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

```
.border{ border-color:rgb(66, 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(66, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1072, 77.9991, 106.7586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 252, 255) }
```

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

```
.background{ background-color: rgb(66, 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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