

Converting Colors

XYZ(58.2649, 77.6926,
106.5330)

Have a look what the booklet for
XYZ(58.2649, 77.6926, 106.5330)
contains.

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Color

**XYZ(58.2995, 77.7995,
106.5519)**

Conversions

Conversions Part 1

Format	Color
Hex	70F8FF
RGB	112, 248, 255
RGB Percent	44%, 97%, 100%
CMY	0.5608, 0.0274, 0.0000
CMYK	0.56, 0.03, 0.00, 0.00
HSL	183°, 100%, 72%
HSV	183°, 56%, 100%
XYZ	58.2995, 77.7995, 106.5519
YIQ	208.1340, -83.3030, -26.6550

Conversions

Conversions Part 2

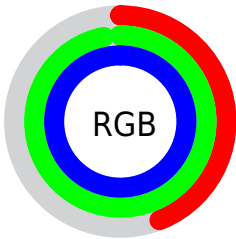
Format	Color
RYB	112, 182, 255
Decimal	7403775
CIELab	90.69, -35.04, -14.62
CIElCh	91, 37.963, 202.646
Yxy	77.7995, 0.2403, 0.3206
Android (android.graphics.Color)	4285593855 (0xFF70F8FF)
YUV	208.1340, 23.1049, -84.3095
Hunter-Lab	88.2040, -36.3753, -9.8805

Details

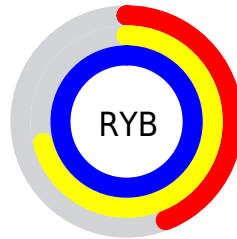
The XYZ color **58.2995, 77.7995, 106.5519** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.7623, 35.6245, 19.5321**, and the grayscale version is **59.9369, 63.0583, 68.6705**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **29.4510, 41.6622, 59.9154** is the 20% darker color. If you saturate the color by 10%, you get **55.1209, 75.5951, 106.2939**, and if you desaturate by 10%, it is **62.4033, 80.4882, 106.8545**.

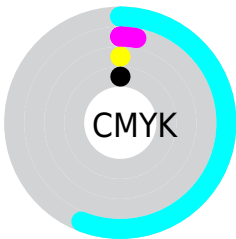
Distribution



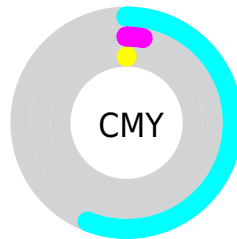
- Red (44%)
- Green (97%)
- Blue (100%)



- Red (44%)
- Yellow (71%)
- Blue (100%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2995, 77.7995, 106.5519 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 58.2995, 77.7995, 106.5519 by changing the saturation by 10% instead.

58.2995, 77.7995,
106.5519

58.2995, 77.7995,
106.5519

408.2369,
487.4856, 602.4258

42.2937, 57.9093,
81.1362

101.4793,
130.2674, 172.2624

29.5234, 41.7357,
60.1221

129.3840,
163.6140, 213.3942

19.6234, 28.8944,
43.0911

161.9858,
202.2147, 260.6018

12.2283, 19.0010,
29.6247

199.6499,
246.4541, 314.3038

6.9726, 11.6710,
19.3043

242.7417,
296.7165, 374.9186

3.4912, 6.5201,
11.7113

291.6265,

1.4185, 3.1638,

353.3862, 442.8649

6.4273

346.6698,
416.8478, 518.5611

■ 0.2694, 1.2178,
3.0336

■ 0.0000, 0.0762,
1.1118

■ 58.2995, 77.7995,
106.5519

■ 58.2995, 77.7995,
106.5519

■ 55.1209, 75.5951,
106.2939

■ 62.4033, 80.4882,
106.8545

■ 52.7814, 73.8253,
106.0756

■ 67.4966, 83.6891,
107.2039

■ 51.1897, 72.4447,
105.8930

■ 73.6452, 87.4377,
107.6034

■ 50.2298, 71.3937,
105.7407

■ 80.9072, 91.7642,
108.0557

■ 49.9582, 71.0364,
105.6861

■ 89.3368, 96.6965,
108.5635

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.



57.2297, 77.7995, 78.1725



58.2995, 77.7995, 106.5519



63.3818, 77.7995, 133.6152

Triad

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



58.2995, 77.7995, 106.5519



89.4796, 77.7995, 120.6844



76.3152, 77.7995, 42.6141

Complementary

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



58.2995, 77.7995, 106.5519



50.7623, 35.6245, 19.5321

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.



85.6235, 77.7995, 49.4848



58.2995, 77.7995, 106.5519



93.6366, 77.7995, 91.6031

Square

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



58.2995, 77.7995, 106.5519



81.2238, 77.7995, 142.9205



92.1681, 77.7995, 66.0784



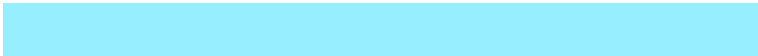
67.1166, 77.7995, 44.9399

Rectangle

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



58.2995, 77.7995, 106.5519



68.6169, 77.7995, 145.2803



92.1681, 77.7995, 66.0784



79.5443, 77.7995, 43.8634

Sweetspot

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



58.3016, 77.8023, 106.5523



80.1877, 91.3393, 108.0116



45.6406, 76.2443, 29.0711



16.8361, 19.3565, 23.0988



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.



58.3016, 77.8023, 106.5523



54.8706, 75.4138, 106.2721



40.8005, 42.8002, 100.7186



18.4742, 20.3201, 23.1984



26.1375, 37.1846, 55.2343



2.5674, 3.6655, 5.3855

Inverse Universe

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



63.9788, 39.6275, 93.0868



61.1551, 34.3172, 91.1060



62.2060, 58.5120, 23.3467



18.7520, 18.2841, 22.5772



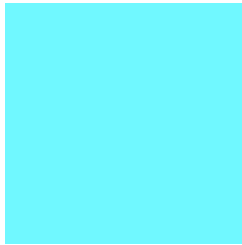
29.9812, 14.4818, 45.4129



2.9305, 1.4146, 4.4815

Previews

White Background



This preview shows how the XYZ color 58.2995, 77.7995, 106.5519 looks on a white background.

Color Contrast Check

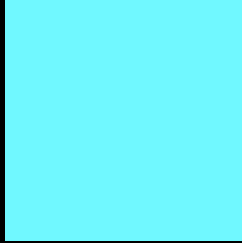
Large Text (above 18pt) WCAG AA × Fail

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 58.2995, 77.7995, 106.5519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

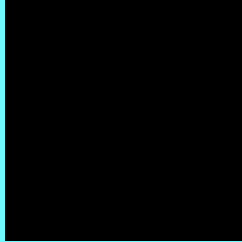
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2995, 77.7995, 106.5519

Background



This preview shows how black text looks on a background with the XYZ color 58.2995, 77.7995, 106.5519.

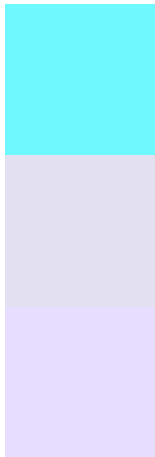


This preview shows how white text looks on a background with the XYZ color 58.2995, 77.7995,

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

58.2995, 77.7995, 106.5519

Protanopia

74.4810, 76.5322, 94.0657

Deuteranopia

77.1263, 76.4515, 105.2994



Tritanopia

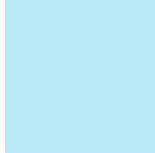
64.0025, 77.6042, 106.2136

Trichromacy



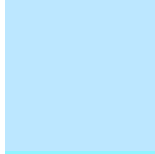
Original Color

58.2995, 77.7995, 106.5519



Protanomaly

65.7810, 75.2459, 98.2457



Deuteranomaly

67.3650, 75.0632, 105.5459



Tritanomaly

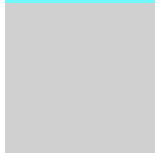
61.7284, 77.7610, 106.3637

Monochromacy



Original Color

58.2995, 77.7995, 106.5519



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.2119, 67.0958, 81.1696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2995, 77.7995, 106.5519 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(112, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 248, 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(112, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.2995, 77.7995, 106.5519 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(112, 248, 255) }
```


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

```
.border{ border-color:rgb(112, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2995, 77.7995, 106.5519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 248, 255) }
```

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

```
.background{ background-color: rgb(112,  
248, 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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