

Converting Colors

XYZ(55.6457, 77.9256,
106.7160)

Have a look what the booklet for
XYZ(55.6457, 77.9256, 106.7160)
contains.

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Color

**XYZ(55.6077, 77.7921,
106.6923)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFBFF
RGB	77, 251, 255
RGB Percent	30%, 98%, 100%
CMY	0.6980, 0.0157, 0.0000
CMYK	0.70, 0.02, 0.00, 0.00
HSL	181°, 100%, 65%
HSV	181°, 70%, 100%
XYZ	55.6077, 77.7921, 106.6923
YIQ	199.4300, -104.9880, -35.6440

Conversions

Conversions Part 2

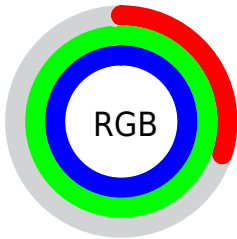
Format	Color
RYB	77, 165, 255
Decimal	5110783
CIELab	90.68, -41.66, -14.71
CIELCh	91, 44.184, 199.446
Yxy	77.7921, 0.2316, 0.3240
Android (android.graphics.Color)	4283300863 (0xFF4DFBFF)
YUV	199.4300, 27.3960, -107.3711
Hunter-Lab	88.1998, -41.8101, -9.9812

Details

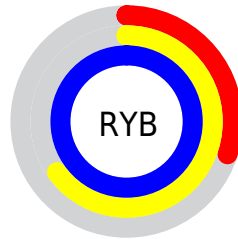
The XYZ color **55.6077, 77.7921, 106.6923** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.5229, 27.6819, 9.9670**, and the grayscale version is **54.4357, 57.2706, 62.3676**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **53.7609, 76.5766, 106.5550**, and if you desaturate by 10%, it is **58.2651, 79.4297, 106.8683**.

Distribution



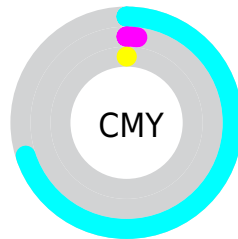
- Red (30%)
- Green (98%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6077, 77.7921, 106.6923 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 55.6077, 77.7921, 106.6923 by changing the saturation by 10% instead.


 55.6077, 77.7921,
106.6923


 55.6077, 77.7921,
106.6923


398.3104,
487.4605, 602.8713


 40.1242, 57.9032,
81.2533


 97.5739, 130.2570,
172.4558


 27.8201, 41.7308,
60.2180


 124.7874,
163.6018, 213.6173

 18.3298, 28.8906,
43.1679


 156.6415,
202.2007, 260.8567

 11.2882, 18.9981,
29.6845

 193.5018,
246.4381, 314.5925

 6.3297, 11.6689,
19.3492

235.7334,
296.6984, 375.2434

 3.0891, 6.5186,
11.7435

283.7018,

 1.2011, 3.1629,

353.3660, 443.2278

6.4489

337.7724,
416.8252, 518.9642

■ 0.1072, 1.2174,
3.0467

■ 0.0000, 0.0758,
1.1185

■ 55.6077, 77.7921,
106.6923

■ 55.6077, 77.7921,
106.6923

■ 53.7609, 76.5766,
106.5550

■ 58.2651, 79.4297,
106.8683

■ 52.6180, 75.7231,
106.4505

■ 61.8109, 81.5243,
107.0857

■ 52.0206, 75.1516,
106.3717

■ 66.3209, 84.1169,
107.3484

■ 52.0106, 75.1412,
106.3702

■ 71.8611, 87.2413,
107.6595

■ 78.4916, 90.9286,
108.0218

■ 86.2679, 95.2074,
108.4378

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.



54.9033, 77.7921, 74.0074



55.6077, 77.7921, 106.6923



60.9298, 77.7921, 140.0591

Triad

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



55.6077, 77.7921, 106.6923



91.3437, 77.7921, 130.9079



77.9117, 77.7921, 37.7508

Complementary

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



55.6077, 77.7921, 106.6923



45.5229, 27.6819, 9.9670

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.



88.6796, 77.7921, 46.2744



55.6077, 77.7921, 106.6923



96.9331, 77.7921, 96.3810

Square

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



55.6077, 77.7921, 106.6923



81.2641, 77.7921, 156.2807



95.9121, 77.7921, 65.9627



67.0680, 77.7921, 39.1981

Rectangle

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



55.6077, 77.7921, 106.6923



66.7060, 77.7921, 155.6747



95.9121, 77.7921, 65.9627



81.6770, 77.7921, 39.4400

Sweetspot

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



55.6098, 77.7949, 106.6927



77.6362, 90.4552, 107.9755



40.2686, 73.6771, 19.6838



16.2095, 19.1350, 23.0890



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.



55.6098, 77.7949, 106.6927



53.2014, 76.1771, 106.5074



34.2156, 35.0065, 99.5613



18.5178, 20.4073, 23.2130



27.1925, 39.2946, 55.5860



2.6583, 3.8473, 5.4158

Inverse Universe

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



61.3078, 33.5346, 94.5114



59.3113, 29.7462, 93.2148



56.7627, 50.1615, 13.7136



18.7740, 18.2929, 22.6932



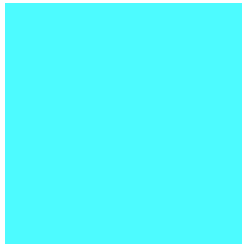
30.5137, 14.6948, 48.2171



2.9764, 1.4329, 4.7231

Previews

White Background



This preview shows how the XYZ color 55.6077, 77.7921, 106.6923 looks on a white background.

Color Contrast Check

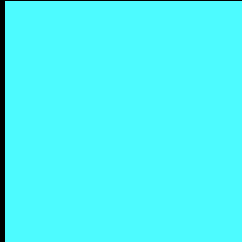
Large Text (above 18pt) WCAG AA × Fail

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 55.6077, 77.7921, 106.6923 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 55.6077, 77.7921, 106.6923

Background



This preview shows how black text looks on a background with the XYZ color 55.6077, 77.7921, 106.6923.

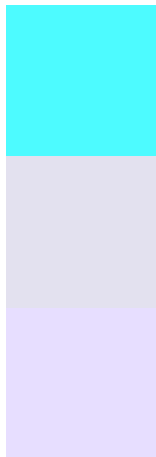


This preview shows how white text looks on a background with the XYZ color 55.6077, 77.7921,

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

55.6077, 77.7921, 106.6923

Protanopia

74.1838, 76.4133, 92.5007

Deuteranopia

77.1263, 76.4515, 105.2994



Tritanopia

62.8317, 77.0006, 106.1588

Trichromacy



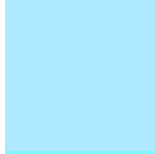
Original Color

55.6077, 77.7921, 106.6923



Protanomaly

62.9175, 74.2089, 97.3938



Deuteranomaly

64.8681, 74.6118, 105.5903



Tritanomaly

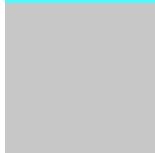
59.3066, 76.9604, 106.3368

Monochromacy



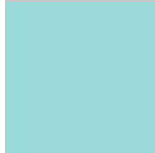
Original Color

55.6077, 77.7921, 106.6923



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.3752, 62.2258, 76.3209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6077, 77.7921, 106.6923 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 251, 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, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.6077, 77.7921, 106.6923 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, 251, 255) }
```


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

```
.border{ border-color:rgb(77, 251, 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, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6077, 77.7921, 106.6923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 251, 255) }
```

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

```
.background{ background-color: rgb(77, 251,  
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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