

Converting Colors

XYZ(57.9968, 77.8660,
106.5806)

Have a look what the booklet for
XYZ(57.9968, 77.8660, 106.5806)
contains.

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Color

**XYZ(57.8017, 77.5429,
106.5286)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF8FF
RGB	108, 248, 255
RGB Percent	42%, 97%, 100%
CMY	0.5764, 0.0274, 0.0000
CMYK	0.58, 0.03, 0.00, 0.00
HSL	183°, 100%, 71%
HSV	183°, 58%, 100%
XYZ	57.8017, 77.5429, 106.5286
YIQ	206.9380, -85.6870, -27.5030

Conversions

Conversions Part 2

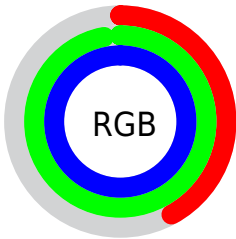
Format	Color
R_{YB}	108, 180, 255
Decimal	7141631
CIE _{Lab}	90.57, -35.74, -14.80
CIE _{LCh}	91, 38.688, 202.500
Yxy	77.5429, 0.2390, 0.3206
Android (android.graphics.Color)	4285331711 (0xFF6CF8FF)
YUV	206.9380, 23.6946, -86.7686
Hunter-Lab	88.0584, -36.9346, -10.0851

Details

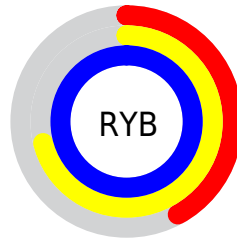
The XYZ color **57.8017, 77.5429, 106.5286** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.0783, 34.6051, 18.2294**, and the grayscale version is **59.1622, 62.2433, 67.7829**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **29.1547, 41.5094, 59.9016** is the 20% darker color. If you saturate the color by 10%, you get **54.7706, 75.4299, 106.2805**, and if you desaturate by 10%, it is **61.7461, 80.1338, 106.8208**.

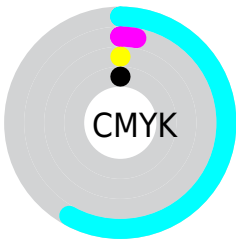
Distribution



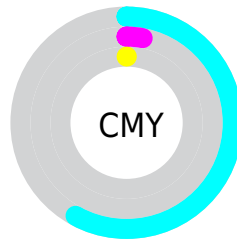
- Red (42%)
- Green (97%)
- Blue (100%)



- Red (42%)
- Yellow (71%)
- Blue (100%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8017, 77.5429, 106.5286 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 57.8017, 77.5429, 106.5286 by changing the saturation by 10% instead.

57.8017, 77.5429,
106.5286

57.8017, 77.5429,
106.5286

406.4124,
486.6131, 602.3518

41.8919, 57.6986,
81.1168

100.7587,
129.9056, 172.2303

29.2074, 41.5664,
60.1062

128.5365,
163.1927, 213.3572

19.3828, 28.7619,
43.0784

161.0011,
201.7295, 260.5595

12.0529, 18.9008,
29.6148

198.5178,
245.9004, 314.2559

6.8522, 11.5986,
19.2968

241.4519,
296.0898, 374.8647

3.4153, 6.4710,
11.7060

290.1688,

1.3770, 3.1335,

352.6822, 442.8046

6.4237

345.0338,
416.0618, 518.4942

■ 0.2398, 1.2018,
3.0315

■ 0.0000, 0.0632,
1.1107

■ 57.8017, 77.5429,
106.5286

■ 57.8017, 77.5429,
106.5286

■ 54.7706, 75.4299,
106.2805

■ 61.7461, 80.1338,
106.8208

■ 52.5648, 73.7442,
106.0713

■ 66.6692, 83.2312,
107.1591

■ 51.0904, 72.4391,
105.8971

■ 72.6379, 86.8710,
107.5471

■ 50.2204, 71.4492,
105.7519

■ 79.7110, 91.0840,
107.9875

■ 50.0597, 71.2393,
105.7199

■ 87.9434, 95.8981,
108.4828

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.



56.7383, 77.5429, 77.6591



57.8017, 77.5429, 106.5286



62.9371, 77.5429, 134.2031

Triad

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



57.8017, 77.5429, 106.5286



89.4850, 77.5429, 121.2369



76.1598, 77.5429, 41.8253

Complementary

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



57.8017, 77.5429, 106.5286



50.0783, 34.6051, 18.2294

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.



85.6298, 77.5429, 48.7944



57.8017, 77.5429, 106.5286



93.7494, 77.5429, 91.5856

Square

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



57.8017, 77.5429, 106.5286



81.0606, 77.5429, 143.9096



92.2801, 77.5429, 65.6224



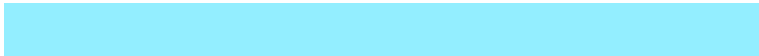
66.8032, 77.5429, 44.1220

Rectangle

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



57.8017, 77.5429, 106.5286



68.2430, 77.5429, 146.1919



92.2801, 77.5429, 65.6224



79.4450, 77.5429, 43.0978

Sweetspot

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



57.8038, 77.5457, 106.5290



80.2059, 91.3757, 108.0177



44.9206, 75.8988, 27.8777



16.8405, 19.3652, 23.1002



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.



57.8038, 77.5457, 106.5290



54.4250, 75.1772, 106.2499



39.8792, 41.6966, 100.5541



18.4764, 20.3244, 23.1991



26.1897, 37.2889, 55.2517



2.5719, 3.6745, 5.3870

Inverse Universe

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



63.5472, 38.7642, 92.9430



60.7704, 33.5515, 90.9662



61.5912, 57.6309, 22.0670



18.7531, 18.2846, 22.5831



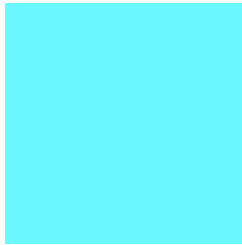
30.0075, 14.4923, 45.5516



2.9328, 1.4155, 4.4935

Previews

White Background



This preview shows how the XYZ color 57.8017, 77.5429, 106.5286 looks on a white background.

Color Contrast Check

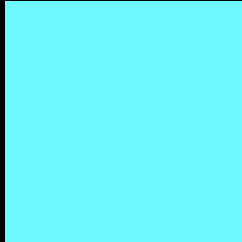
Large Text (above 18pt) WCAG AA × Fail

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 57.8017, 77.5429, 106.5286 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 57.8017, 77.5429, 106.5286

Background



This preview shows how black text looks on a background with the XYZ color 57.8017, 77.5429, 106.5286.

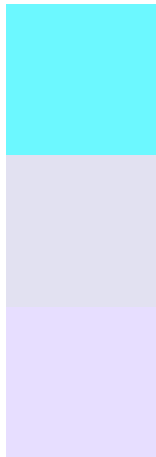


This preview shows how white text looks on a background with the XYZ color 57.8017, 77.5429,

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

57.8017, 77.5429, 106.5286

Protanopia

74.1664, 76.3701, 94.0510

Deuteranopia

77.1263, 76.4515, 105.2994



Tritanopia

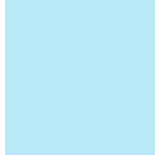
63.3106, 76.8093, 106.0966

Trichromacy



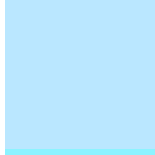
Original Color

57.8017, 77.5429, 106.5286



Protanomaly

65.3019, 74.9989, 98.2232



Deuteranomaly

66.8756, 74.8109, 105.5230



Tritanomaly

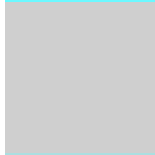
60.9158, 76.8966, 106.2397

Monochromacy



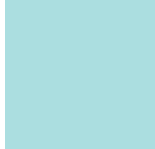
Original Color

57.8017, 77.5429, 106.5286



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.3704, 66.2823, 80.3437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8017, 77.5429, 106.5286 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(108, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.8017, 77.5429, 106.5286 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(108, 248, 255) }
```


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

```
.border{ border-color:rgb(108, 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(108, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8017, 77.5429, 106.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 248, 255) }
```

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

```
.background{ background-color: rgb(108,  
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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