

Converting Colors

XYZ(58.1988, 62.2598,
156.4136)

Have a look what the booklet for
XYZ(58.1988, 62.2598, 156.4136)
contains.

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Color

**XYZ(48.0286, 57.9966,
103.2708)**

Conversions

Conversions Part 1

Format	Color
Hex	6CD5FF
RGB	108, 213, 255
RGB Percent	42%, 84%, 100%
CMY	0.5764, 0.1647, 0.0000
CMYK	0.58, 0.16, 0.00, 0.00
HSL	197°, 100%, 71%
HSV	197°, 58%, 100%
XYZ	48.0286, 57.9966, 103.2708
YIQ	186.3930, -76.0620, -9.1980

Conversions

Conversions Part 2

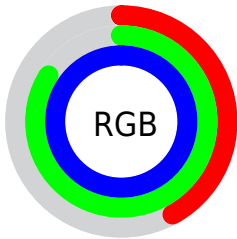
Format	Color
R _Y B	108, 169, 255
Decimal	7132671
CIE Lab	80.74, -18.72, -29.72
CIE LCh	81, 35.119, 237.792
Yxy	57.9966, 0.2295, 0.2771
Android (android.graphics.Color)	4285322751 (0xFF6CD5FF)
YUV	186.3930, 33.8233, -68.7507
Hunter-Lab	76.1555, -20.6984, -27.0915

Details

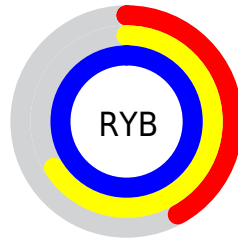
The XYZ color **48.0286, 57.9966, 103.2708** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.8543, 44.1571, 19.8216**, and the grayscale version is **46.7411, 49.1752, 53.5518**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **23.0471, 28.8543, 57.7808** is the 20% darker color. If you saturate the color by 10%, you get **43.5773, 53.0434, 102.5494**, and if you desaturate by 10%, it is **53.4723, 63.5860, 104.0628**.

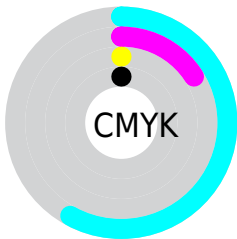
Distribution



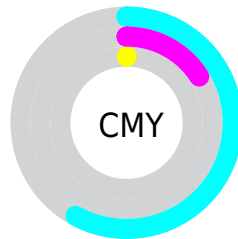
- Red (42%)
- Green (84%)
- Blue (100%)



- Red (42%)
- Yellow (66%)
- Blue (100%)



- Cyan (58%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0286, 57.9966, 103.2708 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 48.0286, 57.9966, 103.2708 by changing the saturation by 10% instead.

■ 48.0286, 57.9966,
103.2708

■ 48.0286, 57.9966,
103.2708

369.4862,
417.1733, 591.9650

■ 34.0609, 41.8059,
78.4029

■ 86.4564, 101.9179,
167.7357

■ 23.1035, 28.9493,
57.8866

■ 111.6472,
130.4173, 208.1698

■ 14.7911, 19.0425,
41.3034

■ 141.3098,
163.7884, 254.6297

■ 8.7582, 11.7010,
28.2347

175.8095,
202.4156, 307.5339

■ 4.6397, 6.5404,
18.2621

215.5116,
246.6833, 367.3010

■ 2.0700, 3.1764,
10.9669

260.7815,

■ 0.6728, 1.2245,

296.9759, 434.3496

5.9307

311.9846,
353.6777, 509.0980

■ 0.0000, 0.0816,
2.7349

■ 0.0000, 0.0000,
0.9609

■ 48.0286, 57.9966,
103.2708

■ 48.0286, 57.9966,
103.2708

■ 43.5773, 53.0434,
102.5494

■ 53.4723, 63.5860,
104.0628

■ 40.0307, 48.6760,
101.8933

■ 59.9760, 69.8445,
104.9280

■ 37.2932, 44.8447,
101.2981

■ 67.6072, 76.8096,
105.8702

■ 35.2368, 41.4819,
100.7574

■ 76.4260, 84.5136,
106.8924

■ 34.8075, 40.7350,
100.6358

■ 86.4879, 92.9868,
107.9976

95.0500, 100.0000,
108.9000

Harmonies

Analogous

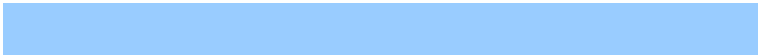
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6976, 57.9966, 83.6339



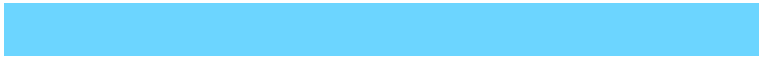
48.0286, 57.9966, 103.2708



54.5893, 57.9966, 111.9841

Triad

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



48.0286, 57.9966, 103.2708



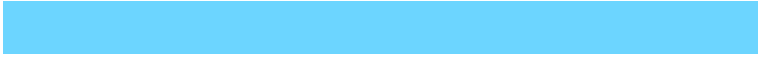
70.2464, 57.9966, 64.6975



48.8813, 57.9966, 34.0251

Complementary

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



48.0286, 57.9966, 103.2708



54.8543, 44.1571, 19.8216

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.



55.6623, 57.9966, 31.0866



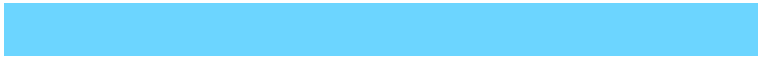
48.0286, 57.9966, 103.2708



68.3866, 57.9966, 46.3152

Square

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



48.0286, 57.9966, 103.2708



67.7691, 57.9966, 86.8847



62.8860, 57.9966, 35.0527



44.1587, 57.9966, 44.1843

Rectangle

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



48.0286, 57.9966, 103.2708



59.4906, 57.9966, 109.2546



62.8860, 57.9966, 35.0527



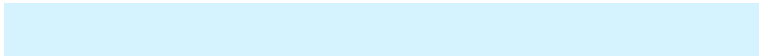
50.9765, 57.9966, 32.2725

Sweetspot

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



48.0303, 57.9987, 103.2711



77.0359, 85.0358, 106.9611



47.4226, 76.8996, 41.0526



16.0852, 17.8547, 22.8485



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.



48.0303, 57.9987, 103.2711



43.0453, 52.4177, 102.4567



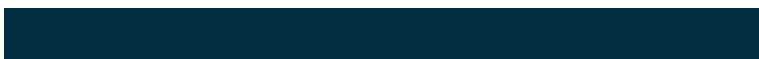
33.5924, 29.1228, 98.4585



18.0906, 19.5528, 23.0705



18.3216, 21.5527, 52.6290



1.8773, 2.2853, 5.1554

Inverse Universe

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



58.6140, 36.7910, 66.9649



55.0264, 31.2539, 60.7190



70.3754, 75.1993, 24.9953



18.5584, 18.2067, 21.5576



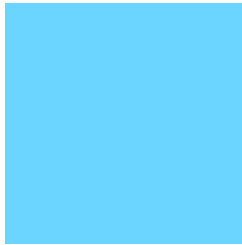
26.0361, 12.9037, 24.6382



2.5822, 1.2752, 2.6471

Previews

White Background



This preview shows how the XYZ color 48.0286, 57.9966, 103.2708 looks on a white background.

Color Contrast Check

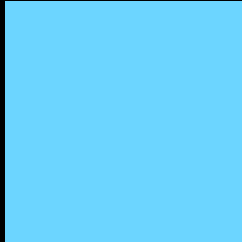
Large Text (above 18pt) WCAG AA × Fail

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 48.0286, 57.9966, 103.2708 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

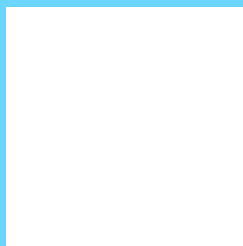
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0286, 57.9966, 103.2708

Background



This preview shows how black text looks on a background with the XYZ color 48.0286, 57.9966, 103.2708.

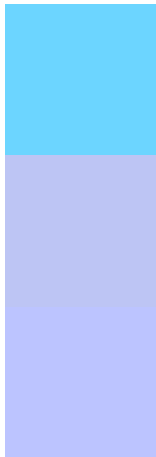


This preview shows how white text looks on a background with the XYZ color 48.0286, 57.9966,

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

48.0286, 57.9966, 103.2708

Protanopia

57.2817, 57.2830, 93.6256

Deuteranopia

58.5290, 57.3912, 102.6005



Tritanopia

44.8097, 58.2189, 86.7175

Trichromacy



Original Color

48.0286, 57.9966, 103.2708

Protanomaly

52.7964, 56.9628, 97.0192

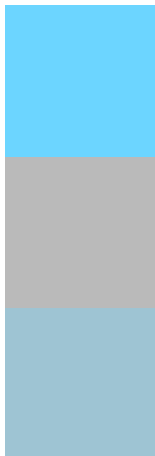
Deuteranomaly

53.4686, 56.8320, 102.7593

Tritanomaly

46.0624, 58.3473, 92.8388

Monochromacy



Original Color

48.0286, 57.9966, 103.2708

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.5984, 51.4521, 69.1560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0286, 57.9966, 103.2708 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.0286, 57.9966, 103.2708 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, 213, 255) }
```


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

```
.border{ border-color:rgb(108, 213, 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, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0286, 57.9966, 103.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 213, 255) }
```

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

```
.background{ background-color: rgb(108,  
213, 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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