

Converting Colors

XYZ(47.1951, 57.7541, 99.4019)

Have a look what the booklet for
XYZ(47.1951, 57.7541, 99.4019)
contains.

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Color

**XYZ(47.1130, 57.6164,
99.0804)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD5FA
RGB	107, 213, 250
RGB Percent	42%, 84%, 98%
CMY	0.5804, 0.1647, 0.0196
CMYK	0.57, 0.15, 0.00, 0.02
HSL	196°, 93%, 70%
HSV	196°, 57%, 98%
XYZ	47.1130, 57.6164, 99.0804
YIQ	185.5240, -75.0530, -10.9650

Conversions

Conversions Part 2

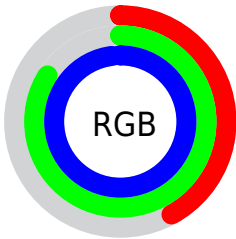
Format	Color
RYB	107, 168, 250
Decimal	7067130
CIELab	80.53, -20.35, -27.39
CIELCh	81, 34.120, 233.382
Yxy	57.6164, 0.2312, 0.2827
Android (android.graphics.Color)	4285257210 (0xFF6BD5FA)
YUV	185.5240, 31.7867, -68.8655
Hunter-Lab	75.9055, -22.0432, -24.2582

Details

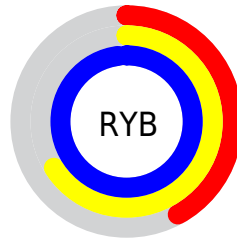
The XYZ color **47.1130, 57.6164, 99.0804** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.0532, 41.3342, 19.1468**, and the grayscale version is **46.2662, 48.6756, 53.0077**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **22.4482, 28.6111, 54.7914** is the 20% darker color. If you saturate the color by 10%, you get **42.9361, 53.0968, 98.4293**, and if you desaturate by 10%, it is **52.2272, 62.7178, 99.7966**.

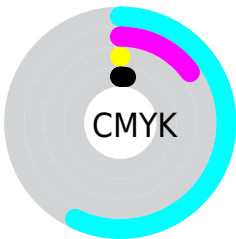
Distribution



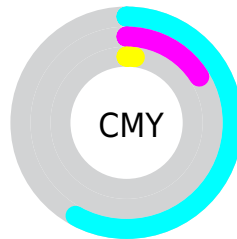
- Red (42%)
- Green (84%)
- Blue (98%)



- Red (42%)
- Yellow (66%)
- Blue (98%)



- Cyan (57%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (58%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1130, 57.6164, 99.0804 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 47.1130, 57.6164, 99.0804 by changing the saturation by 10% instead.

47.1130, 57.6164,
99.0804

47.1130, 57.6164,
99.0804

365.9068,
415.7550, 578.4618

33.3333, 41.5003,
74.9202

85.1000, 101.3640,
161.9337

22.5424, 28.7102,
55.0462

110.0380,
129.7644, 201.4639

14.3748, 18.8617,
39.0398

139.4262,
163.0283, 246.9544

8.4652, 11.5704,
26.4826

173.6298,
201.5402, 298.8239

4.4484, 6.4519,
16.9561

213.0144,
245.6844, 357.4908

1.9588, 3.1218,
10.0415

257.9452,

0.6107, 1.1956,

295.8453, 423.3737

5.3205

308.7875,
352.4074, 496.8912

■ 0.0000, 0.0581,
2.3745

■ 0.0000, 0.0000,
0.7725

■ 47.1130, 57.6164,
99.0804

■ 47.1130, 57.6164,
99.0804

■ 42.9361, 53.0968,
98.4293

■ 52.2272, 62.7178,
99.7966

■ 39.6129, 49.1114,
97.8352

■ 58.3418, 68.4313,
100.5771

■ 37.0537, 45.6140,
97.2950

■ 65.5206, 74.7919,
101.4265

■ 35.1409, 42.5428,
96.8030

■ 73.8205, 81.8299,
102.3475

■ 34.6706, 41.7324,
96.6713

■ 83.2940, 89.5736,
103.3429

■ 93.2476, 97.6664,
104.3803

■ 94.2555, 99.6822,
104.7163

Harmonies

Analogous

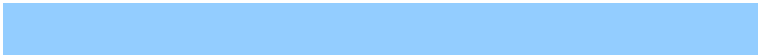
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3036, 57.6164, 79.3273



47.1130, 57.6164, 99.0804



53.2245, 57.6164, 109.3988

Triad

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



47.1130, 57.6164, 99.0804



69.2657, 57.6164, 67.2874



49.5879, 57.6164, 33.5643

Complementary

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



47.1130, 57.6164, 99.0804



52.0532, 41.3342, 19.1468

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.



56.3301, 57.6164, 31.6818



47.1130, 57.6164, 99.0804



68.0835, 57.6164, 48.6335

Square

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



47.1130, 57.6164, 99.0804



66.3039, 57.6164, 88.6793



63.1985, 57.6164, 36.5812



44.6450, 57.6164, 42.4188

Rectangle

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



47.1130, 57.6164, 99.0804



57.9404, 57.6164, 108.2575



63.1985, 57.6164, 36.5812



51.7032, 57.6164, 32.1857

Sweetspot

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



47.1149, 57.6185, 99.0818



77.3862, 85.7363, 107.0778



45.1898, 73.4741, 37.6900



16.1684, 18.0211, 22.8762



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.



47.1149, 57.6185, 99.0818



44.1957, 54.7186, 102.8401



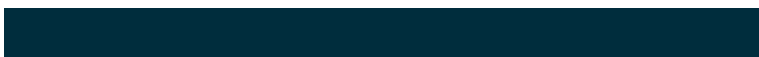
33.1057, 29.6002, 94.4121



17.3635, 18.8037, 22.0996



18.5127, 22.3810, 51.3178



1.8001, 2.2438, 4.7814

Inverse Universe

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



56.6939, 35.6455, 66.8450



55.6071, 31.4862, 63.7768



66.1897, 69.6072, 23.8590



17.7900, 17.4434, 20.7498



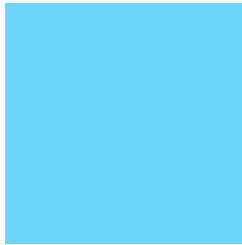
25.6364, 12.6703, 25.8573



2.4175, 1.1907, 2.6221

Previews

White Background



This preview shows how the XYZ color 47.1130, 57.6164, 99.0804 looks on a white background.

Color Contrast Check

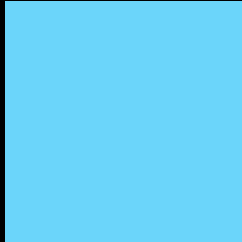
Large Text (above 18pt) WCAG AA × Fail

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 47.1130, 57.6164, 99.0804 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 47.1130, 57.6164, 99.0804

Background



This preview shows how black text looks on a background with the XYZ color 47.1130, 57.6164, 99.0804.



This preview shows how white text looks on a background with the XYZ color 47.1130, 57.6164,

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

47.1130, 57.6164, 99.0804

Protanopia

56.7814, 57.1116, 89.6923

Deuteranopia

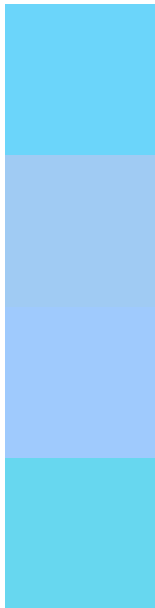
58.3908, 57.0048, 101.6914



Tritanopia

44.5194, 57.7043, 85.8824

Trichromacy



Original Color

47.1130, 57.6164, 99.0804

Protanomaly

52.0308, 56.6565, 92.9875

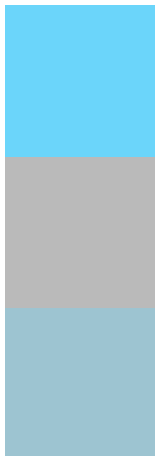
Deuteranomaly

53.1482, 56.7038, 101.0722

Tritanomaly

45.4739, 57.7164, 90.4050

Monochromacy



Original Color

47.1130, 57.6164, 99.0804

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.1532, 51.2514, 67.8343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1130, 57.6164, 99.0804 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(107, 213, 250)` looks like.

```
.text, #text, p{  
    color:rgb(107, 213, 250)  
}
```

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(107, 213, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 213, 250) }
```

Border

The CSS property to change the border of an element to XYZ 47.1130, 57.6164, 99.0804 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(107, 213, 250) }
```


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

```
.border{ border-color:rgb(107, 213, 250) }
```

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

Here you see how a box with a 4 pixel rgb(107, 213, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 213, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 213, 250);  
box-shadow:4px 4px 4px 4px rgb(107, 213,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1130, 57.6164, 99.0804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 213, 250) }
```

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

```
.background{ background-color: rgb(107,  
213, 250) }
```

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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