

Converting Colors

XYZ(47.1284, 59.0797, 94.5958)

Have a look what the booklet for
XYZ(47.1284, 59.0797, 94.5958)
contains.

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Color

**XYZ(47.2054, 59.2832,
94.5428)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD9F4
RGB	107, 217, 244
RGB Percent	42%, 85%, 96%
CMY	0.5804, 0.1490, 0.0431
CMYK	0.56, 0.11, 0.00, 0.04
HSL	192°, 86%, 69%
HSV	192°, 56%, 96%
XYZ	47.2054, 59.2832, 94.5428
YIQ	187.1880, -74.2270, -14.9230

Conversions

Conversions Part 2

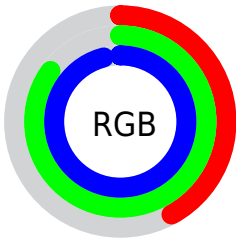
Format	Color
R _Y B	107, 168, 244
Decimal	7068148
CIE Lab	81.45, -24.07, -22.79
CIE LCh	81, 33.146, 223.440
Yxy	59.2832, 0.2348, 0.2949
Android (android.graphics.Color)	4285258228 (0xFF6BD9F4)
YUV	187.1880, 28.0083, -70.3249
Hunter-Lab	76.9956, -25.3053, -18.9052

Details

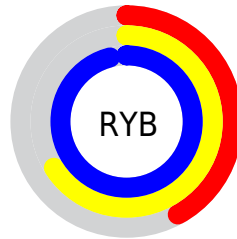
The XYZ color **47.2054, 59.2832, 94.5428** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **48.4886, 37.3465, 18.5647**, and the grayscale version is **47.2189, 49.6780, 54.0993**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **22.6571, 29.8116, 52.1370** is the 20% darker color. If you saturate the color by 10%, you get **43.4542, 55.5373, 94.0186**, and if you desaturate by 10%, it is **51.8239, 63.5323, 95.1206**.

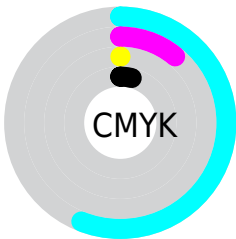
Distribution



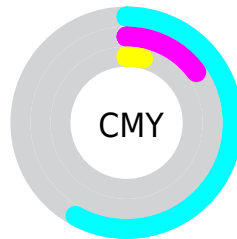
- Red (42%)
- Green (85%)
- Blue (96%)



- Red (42%)
- Yellow (66%)
- Blue (96%)



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (58%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2054, 59.2832, 94.5428 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 47.2054, 59.2832, 94.5428 by changing the saturation by 10% instead.

47.2054, 59.2832,
94.5428

47.2054, 59.2832,
94.5428

366.2690,
421.9506, 563.6472

33.4067, 42.8411,
71.1597

85.2370, 103.7892,
155.6230

22.5989, 29.7605,
51.9899

110.2006,
132.6218, 194.1571

14.4167, 19.6569,
36.6149

139.6166,
166.3535, 238.5787

8.4947, 12.1459,
24.6160

173.8503,
205.3686, 289.3063

4.4675, 6.8431,
15.5748

213.2670,
250.0514, 346.7584

1.9699, 3.3642,
9.0727

258.2321,

0.6170, 1.3247,

300.7864, 411.3535

4.6912

309.1110,
357.9580, 483.5103

■ 0.0000, 0.1602,
2.0117

■ 0.0000, 0.0000,
0.5624

■ 47.2054, 59.2832,
94.5428

■ 47.2054, 59.2832,
94.5428

■ 43.4542, 55.5373,
94.0186

■ 51.8239, 63.5323,
95.1206

■ 40.4928, 52.2505,
93.5402

■ 57.3677, 68.3113,
95.7509

■ 38.2390, 49.3812,
93.1052

■ 63.8962, 73.6523,
96.4377

■ 36.5884, 46.8751,
92.7085

■ 71.4619, 79.5830,
97.1837

■ 36.0502, 45.9734,
92.5628

■ 80.1138, 86.1291,
97.9912

■ 89.8976, 93.3143,
98.8624

■ 91.9616, 96.5762,
99.3832

■ 93.3293, 99.3117,
99.8392

Harmonies

Analogous

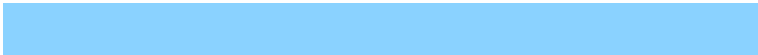
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.3428, 59.2832, 73.8424



47.2054, 59.2832, 94.5428



52.6297, 59.2832, 108.5300

Triad

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



47.2054, 59.2832, 94.5428



70.1249, 59.2832, 76.0619



53.3029, 59.2832, 34.0655

Complementary

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



47.2054, 59.2832, 94.5428



48.4886, 37.3465, 18.5647

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.



60.2351, 59.2832, 34.4183



47.2054, 59.2832, 94.5428



70.3426, 59.2832, 56.0706

Square

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



47.2054, 59.2832, 94.5428



66.0259, 59.2832, 96.4524



66.5984, 59.2832, 41.6828



47.6633, 59.2832, 40.5936

Rectangle

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



47.2054, 59.2832, 94.5428



57.1511, 59.2832, 110.6874



66.5984, 59.2832, 41.6828



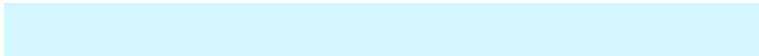
55.5502, 59.2832, 33.4312

Sweetspot

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



47.2073, 59.2854, 94.5442



78.1955, 87.3549, 107.3476



42.5885, 69.4977, 33.0435



16.3609, 18.4061, 22.9404



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.



47.2073, 59.2854, 94.5442



47.6633, 60.9991, 103.8696



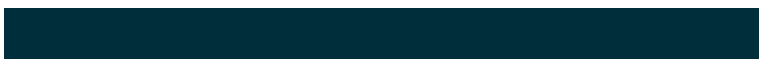
33.3620, 31.5948, 89.9291



16.7030, 18.1704, 21.1695



19.7000, 25.1938, 50.3626



1.8006, 2.3525, 4.4494

Inverse Universe

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



55.0919, 34.7600, 69.4537



57.5172, 32.8620, 71.9489



60.7610, 61.8912, 22.6555



17.0654, 16.7090, 20.0911



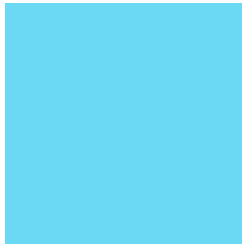
25.7482, 12.6427, 29.7119



2.2979, 1.1251, 2.7951

Previews

White Background



This preview shows how the XYZ color 47.2054, 59.2832, 94.5428 looks on a white background.

Color Contrast Check

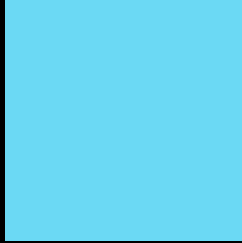
Large Text (above 18pt) WCAG AA × Fail

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 47.2054, 59.2832, 94.5428 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 47.2054, 59.2832, 94.5428

Background



This preview shows how black text looks on a background with the XYZ color 47.2054, 59.2832, 94.5428.



This preview shows how white text looks on a background with the XYZ color 47.2054, 59.2832,

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

47.2054, 59.2832, 94.5428

Protanopia

57.4946, 58.2751, 84.5619

Deuteranopia

59.9355, 58.5801, 96.9551



Tritanopia

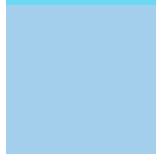
45.9206, 59.1420, 88.3522

Trichromacy



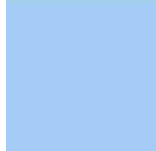
Original Color

47.2054, 59.2832, 94.5428



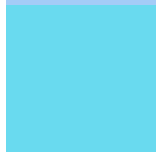
Protanomaly

52.3159, 57.9853, 87.7918



Deuteranomaly

53.6912, 57.7936, 96.3211



Tritanomaly

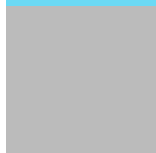
46.4771, 59.3781, 90.6729

Monochromacy



Original Color

47.2054, 59.2832, 94.5428



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

45.6798, 52.2113, 67.3447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2054, 59.2832, 94.5428 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, 217, 244)` looks like.

```
.text, #text, p{  
    color:rgb(107, 217, 244)  
}
```

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, 217, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 217, 244) }
```

Border

The CSS property to change the border of an element to XYZ 47.2054, 59.2832, 94.5428 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, 217, 244) }
```


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

```
.border{ border-color:rgb(107, 217, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 217, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 217, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 217, 244);  
box-shadow:4px 4px 4px 4px rgb(107, 217,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2054, 59.2832, 94.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 217, 244) }
```

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

```
.background{ background-color: rgb(107,  
217, 244) }
```

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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