

Converting Colors

XYZ(48.9439, 59.3858,
103.4907)

Have a look what the booklet for
XYZ(48.9439, 59.3858, 103.4907)
contains.

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Color

**XYZ(48.7808, 59.1359,
103.4511)**

Conversions

Conversions Part 1

Format	Color
Hex	6ED7FF
RGB	110, 215, 255
RGB Percent	43%, 84%, 100%
CMY	0.5686, 0.1568, 0.0000
CMYK	0.57, 0.16, 0.00, 0.00
HSL	197°, 100%, 72%
HSV	197°, 57%, 100%
XYZ	48.7808, 59.1359, 103.4511
YIQ	188.1650, -75.4200, -9.8200

Conversions

Conversions Part 2

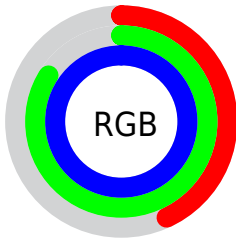
Format	Color
RYB	110, 171, 255
Decimal	7264255
CIELab	81.37, -19.36, -28.74
CIELCh	81, 34.658, 236.035
Yxy	59.1359, 0.2308, 0.2798
Android (android.graphics.Color)	4285454335 (0xFF6ED7FF)
YUV	188.1650, 32.9497, -68.5507
Hunter-Lab	76.8999, -21.3448, -25.9312

Details

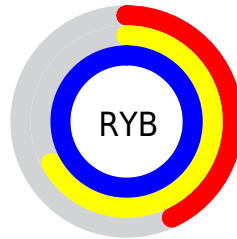
The XYZ color **48.7808, 59.1359, 103.4511** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.9617, 44.1997, 20.3883**, and the grayscale version is **47.7448, 50.2313, 54.7019**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **23.5268, 29.6121, 57.9018** is the 20% darker color. If you saturate the color by 10%, you get **44.3000, 54.2250, 102.7394**, and if you desaturate by 10%, it is **54.2546, 64.6755, 104.2318**.

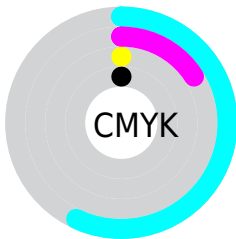
Distribution



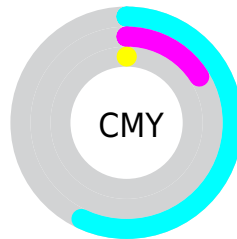
- Red (43%)
- Green (84%)
- Blue (100%)



- Red (43%)
- Yellow (67%)
- Blue (100%)



- Cyan (57%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7808, 59.1359, 103.4511 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 48.7808, 59.1359, 103.4511 by changing the saturation by 10% instead.

48.7808, 59.1359,
103.4511

48.7808, 59.1359,
103.4511

372.4100,
421.4054, 592.5424

34.6594, 42.7225,
78.5529

87.5685, 103.5752,
167.9849

23.5659, 29.6675,
58.0092

112.9655,
132.3698, 208.4575

15.1349, 19.5863,
41.4013

142.8519,
166.0604, 254.9587

9.0011, 12.0947,
28.3107

177.5928,
205.0312, 307.9071

4.7990, 6.8082,
18.3189

217.5537,
249.6668, 367.7211

2.1634, 3.3424,
11.0074

263.1000,

0.7233, 1.3130,

300.3514, 434.8193

5.9576

314.5970,
357.4694, 509.6202

■ 0.0000, 0.1513,
2.7509

■ 0.0000, 0.0000,
0.9689

■ 48.7808, 59.1359,
103.4511

■ 48.7808, 59.1359,
103.4511

■ 44.3000, 54.2250,
102.7394

■ 54.2546, 64.6755,
104.2318

■ 40.7255, 49.8930,
102.0916

■ 60.7884, 70.8761,
105.0843

■ 37.9632, 46.0911,
101.5033

■ 68.4490, 77.7746,
106.0121

■ 35.8922, 42.7557,
100.9687

■ 77.2958, 85.4032,
107.0183

■ 35.3275, 41.7749,
100.8092

■ 87.3843, 93.7915,
108.1057

95.0500, 100.0000,
108.9000

Harmonies

Analogous

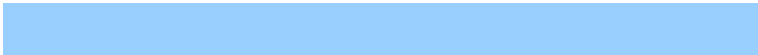
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6006, 59.1359, 83.5273



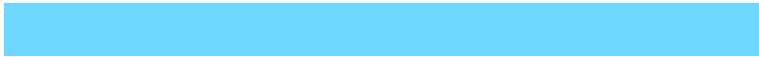
48.7808, 59.1359, 103.4511



55.2496, 59.1359, 112.9295

Triad

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



48.7808, 59.1359, 103.4511



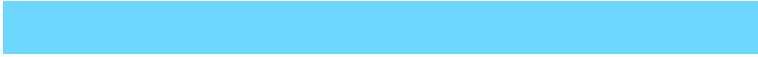
71.2742, 59.1359, 67.1857



50.3138, 59.1359, 34.7923

Complementary

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



48.7808, 59.1359, 103.4511



54.9617, 44.1997, 20.3883

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.



57.1751, 59.1359, 32.2361



48.7808, 59.1359, 103.4511



69.6700, 59.1359, 48.4230

Square

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



48.7808, 59.1359, 103.4511



68.5650, 59.1359, 89.3374



64.3508, 59.1359, 36.6536



45.4308, 59.1359, 44.5800

Rectangle

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



48.7808, 59.1359, 103.4511



60.1418, 59.1359, 110.8248



64.3508, 59.1359, 36.6536



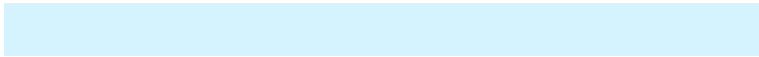
52.4475, 59.1359, 33.1630

Sweetspot

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



48.7825, 59.1380, 103.4514



77.1637, 85.2913, 107.0037



47.5898, 76.9949, 40.6497



16.1156, 17.9154, 22.8586



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.



48.7825, 59.1380, 103.4514



43.8484, 53.7027, 102.6624



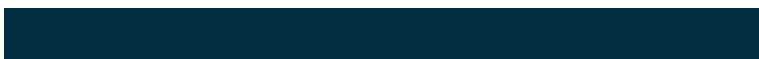
34.4300, 30.4330, 98.6672



18.1063, 19.5843, 23.0758



18.5909, 22.0915, 52.7188



1.9017, 2.3342, 5.1636

Inverse Universe

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



59.0828, 37.3198, 68.3817



55.5102, 31.7476, 62.3410



69.9557, 74.1877, 25.3863



18.5663, 18.2098, 21.5994



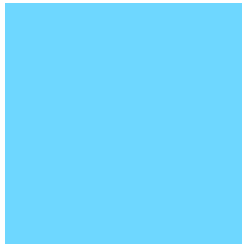
26.1720, 12.9581, 25.3542



2.5945, 1.2802, 2.7122

Previews

White Background



This preview shows how the XYZ color 48.7808, 59.1359, 103.4511 looks on a white background.

Color Contrast Check

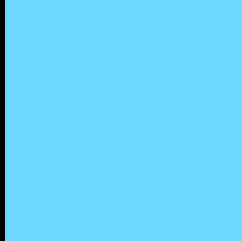
Large Text (above 18pt) WCAG AA × Fail

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 48.7808, 59.1359, 103.4511 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

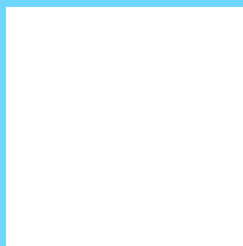
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7808, 59.1359, 103.4511

Background



This preview shows how black text looks on a background with the XYZ color 48.7808, 59.1359, 103.4511.

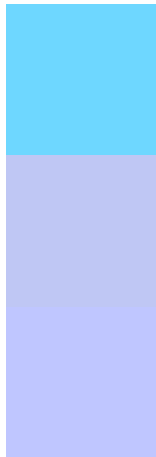


This preview shows how white text looks on a background with the XYZ color 48.7808, 59.1359,

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

48.7808, 59.1359, 103.4511

Protanopia

58.2384, 58.4549, 93.8014

Deuteranopia

59.7299, 58.6845, 102.7869



Tritanopia

45.6912, 59.0237, 88.3414

Trichromacy



Original Color

48.7808, 59.1359, 103.4511

Protanomaly

53.6749, 58.1213, 97.1965

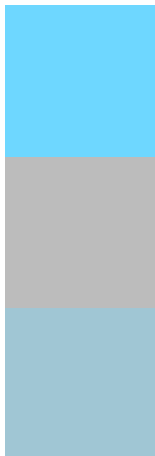
Deuteranomaly

54.5432, 58.0871, 102.9449

Tritanomaly

46.8162, 59.1000, 93.7340

Monochromacy



Original Color

48.7808, 59.1359, 103.4511

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.5750, 52.6152, 69.9883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7808, 59.1359, 103.4511 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(110, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 215, 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(110, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.7808, 59.1359, 103.4511 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(110, 215, 255) }
```


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

```
.border{ border-color:rgb(110, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7808, 59.1359, 103.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 215, 255) }
```

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

```
.background{ background-color: rgb(110,  
215, 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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