

Converting Colors

XYZ(48.2709, 59.1956, 96.8232)

Have a look what the booklet for
XYZ(48.2709, 59.1956, 96.8232)
contains.

XYZ(48.1592, 58.9611, 96.8381)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.1592, 58.9611,
96.8381)**

Conversions

Conversions Part 1

Format	Color
Hex	73D7F7
RGB	115, 215, 247
RGB Percent	45%, 84%, 97%
CMY	0.5490, 0.1568, 0.0314
CMYK	0.53, 0.13, 0.00, 0.03
HSL	195°, 89%, 71%
HSV	195°, 53%, 97%
XYZ	48.1592, 58.9611, 96.8381
YIQ	188.7480, -69.8720, -11.2480

Conversions

Conversions Part 2

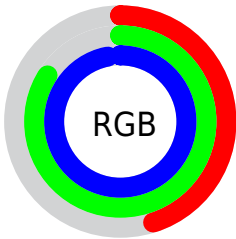
Format	Color
RYB	115, 172, 247
Decimal	7591927
CIELab	81.27, -20.66, -24.63
CIELCh	81, 32.144, 230.012
Yxy	58.9611, 0.2361, 0.2891
Android (android.graphics.Color)	4285782007 (0xFF73D7F7)
YUV	188.7480, 28.7182, -64.6770
Hunter-Lab	76.7861, -22.4230, -21.0227

Details

The XYZ color **48.1592, 58.9611, 96.8381** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.8876, 41.8813, 21.5708**, and the grayscale version is **48.0975, 50.6023, 55.1059**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **23.1937, 29.5316, 53.7679** is the 20% darker color. If you saturate the color by 10%, you get **43.8393, 54.5131, 96.2083**, and if you desaturate by 10%, it is **53.4087, 63.9737, 97.5300**.

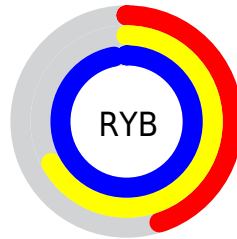
Distribution



Red (45%)

Green (84%)

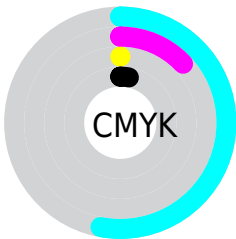
Blue (97%)



Red (45%)

Yellow (67%)

Blue (97%)

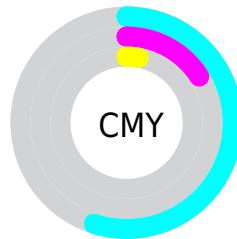


Cyan (53%)

Magenta (13%)

Yellow (0%)

Black (3%)



Cyan (55%)


Magenta (16%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1592, 58.9611, 96.8381 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 48.1592, 58.9611, 96.8381 by changing the saturation by 10% instead.


 48.1592, 58.9611,
96.8381


 48.1592, 58.9611,
96.8381


369.9949,
420.7577, 571.1668


 34.1648, 42.5818,
73.0605


 86.6497, 103.3211,
158.8189

 23.1837, 29.5571,
53.5333


 111.8764,
132.0706, 197.8592

 14.8506, 19.5027,
37.8380


 141.5779,
165.7124, 242.8241

 8.8003, 12.0341,
25.5561

176.1196,
204.6307, 294.1322

 4.6672, 6.7669,
16.2691

215.8667,
249.2100, 352.2019

 2.0861, 3.3167,
9.5584

261.1848,

 0.6816, 1.2992,

299.8347, 417.4519

5.0054

312.4391,
356.8891, 490.3007

■ 0.0000, 0.1406,
2.1916

■ 0.0000, 0.0000,
0.6695

■ 48.1592, 58.9611,
96.8381

■ 48.1592, 58.9611,
96.8381

■ 43.8393, 54.5131,
96.2083

■ 53.4087, 63.9737,
97.5300

■ 40.3715, 50.5850,
95.6329

■ 59.6460, 69.5780,
98.2830

■ 37.6747, 47.1356,
95.1092

■ 66.9310, 75.8069,
99.1014

■ 35.6481, 44.1118,
94.6324

■ 75.3172, 82.6890,
99.9877

■ 34.5852, 42.3085,
94.3403

■ 84.8541, 90.2505,
100.9446

■ 92.5041, 96.9262,
101.8299

■ 93.7887, 99.4955,
102.2582

Harmonies

Analogous

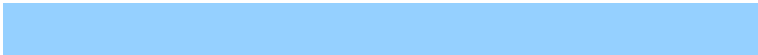
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7812, 58.9611, 77.6781



48.1592, 58.9611, 96.8381



53.8349, 58.9611, 107.8472

Triad

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



48.1592, 58.9611, 96.8381



69.7173, 58.9611, 70.8160



51.7445, 58.9611, 35.3851

Complementary

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



48.1592, 58.9611, 96.8381



51.8876, 41.8813, 21.5708

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.



58.3061, 58.9611, 34.2746



48.1592, 58.9611, 96.8381



69.0451, 58.9611, 52.3763

Square

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



48.1592, 58.9611, 96.8381



66.5078, 58.9611, 90.9620



64.7385, 58.9611, 39.8658



46.7339, 58.9611, 43.2787

Rectangle

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



48.1592, 58.9611, 96.8381



58.3117, 58.9611, 107.8433



64.7385, 58.9611, 39.8658



53.8296, 58.9611, 34.2765

Sweetspot

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



48.1611, 58.9633, 96.8395



78.5254, 86.9172, 107.2457



45.5055, 72.2369, 38.6596



16.4024, 18.2730, 22.9125



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.



48.1611, 58.9633, 96.8395



46.8556, 58.3088, 103.3929



34.7989, 32.2390, 92.3855



16.6365, 18.0373, 21.1473



18.4072, 22.6083, 49.9317



1.6972, 2.1459, 4.4150

Inverse Universe

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



56.7559, 36.9439, 68.4317



57.3718, 33.8085, 68.0867



64.9474, 68.0008, 25.9240



17.0318, 16.6956, 19.9142



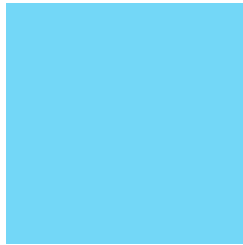
25.0956, 12.3817, 26.2757



2.2457, 1.1043, 2.5205

Previews

White Background



This preview shows how the XYZ color 48.1592, 58.9611, 96.8381 looks on a white background.

Color Contrast Check

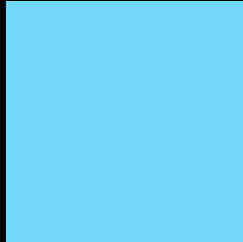
Large Text (above 18pt) WCAG AA × Fail

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 48.1592, 58.9611, 96.8381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

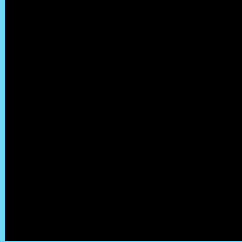
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1592, 58.9611, 96.8381

Background



This preview shows how black text looks on a background with the XYZ color 48.1592, 58.9611, 96.8381.



This preview shows how white text looks on a background with the XYZ color 48.1592, 58.9611,

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

48.1592, 58.9611, 96.8381

Protanopia

57.5561, 58.2404, 87.5649

Deuteranopia

59.6270, 58.3669, 99.3900



Tritanopia

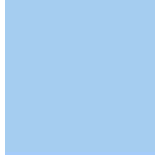
46.2387, 58.9389, 87.5366

Trichromacy



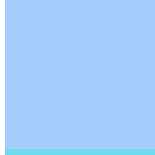
Original Color

48.1592, 58.9611, 96.8381



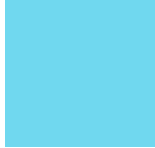
Protanomaly

53.0765, 57.9532, 90.8267



Deuteranomaly

54.3652, 58.0872, 98.7891



Tritanomaly

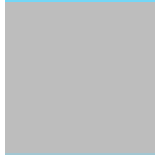
46.8179, 58.7885, 90.5411

Monochromacy



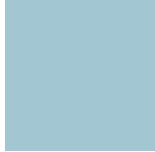
Original Color

48.1592, 58.9611, 96.8381



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.7272, 52.7227, 68.6865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1592, 58.9611, 96.8381 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(115, 215, 247)` looks like.

```
.text, #text, p{  
    color:rgb(115, 215, 247)  
}
```

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(115, 215, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 215, 247) }
```

Border

The CSS property to change the border of an element to XYZ 48.1592, 58.9611, 96.8381 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(115, 215, 247) }
```


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

```
.border{ border-color:rgb(115, 215, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 215, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 215, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 215, 247);  
box-shadow:4px 4px 4px 4px rgb(115, 215,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1592, 58.9611, 96.8381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 215, 247) }
```

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

```
.background{ background-color: rgb(115,  
215, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor