

Converting Colors

XYZ(48.3025, 59.1240,
100.0513)

Have a look what the booklet for
XYZ(48.3025, 59.1240, 100.0513)
contains.

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Color

**XYZ(48.2686, 58.9454,
100.1004)**

Conversions

Conversions Part 1

Format	Color
Hex	6FD7FB
RGB	111, 215, 251
RGB Percent	44%, 84%, 98%
CMY	0.5647, 0.1569, 0.0157
CMYK	0.56, 0.14, 0.00, 0.02
HSL	195°, 95%, 71%
HSV	195°, 56%, 98%
XYZ	48.2686, 58.9454, 100.1004
YIQ	188.0080, -73.5400, -10.8520

Conversions

Conversions Part 2

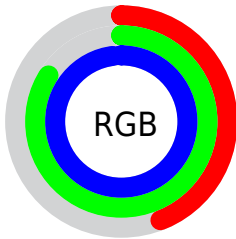
Format	Color
RYB	111, 171, 251
Decimal	7329787
CIELab	81.26, -20.32, -26.78
CIElCh	81, 33.614, 232.812
Yxy	58.9454, 0.2328, 0.2843
Android (android.graphics.Color)	4285519867 (0xFF6FD7FB)
YUV	188.0080, 31.0551, -67.5360
Hunter-Lab	76.7759, -22.1358, -23.5591

Details

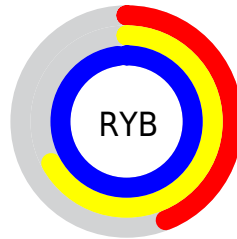
The XYZ color **48.2686, 58.9454, 100.1004** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.0884, 42.5265, 20.4514**, and the grayscale version is **47.6656, 50.1479, 54.6110**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **23.1835, 29.4878, 55.5087** is the 20% darker color. If you saturate the color by 10%, you get **43.9319, 54.3190, 99.4371**, and if you desaturate by 10%, it is **53.5610, 64.1632, 100.8297**.

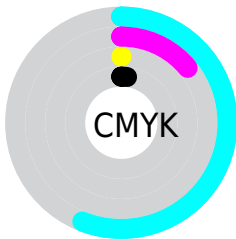
Distribution



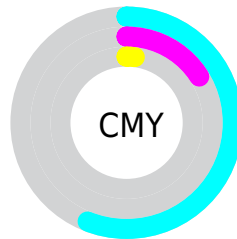
- Red (44%)
- Green (84%)
- Blue (98%)



- Red (44%)
- Yellow (67%)
- Blue (98%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (56%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2686, 58.9454, 100.1004 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 48.2686, 58.9454, 100.1004 by changing the saturation by 10% instead.

48.2686, 58.9454,
100.1004

48.2686, 58.9454,
100.1004

370.4207,
420.6995, 581.7639

34.2518, 42.5692,
75.7670

86.8115, 103.2983,
163.3482

23.2509, 29.5472,
55.7360

112.0682,
132.0438, 203.0998

14.9006, 19.4952,
39.5887

141.8023,
165.6811, 248.8278

8.8355, 12.0286,
26.9067

176.3792,
204.5947, 300.9508

4.6903, 6.7632,
17.2713

216.1641,
249.1689, 359.8874

2.0996, 3.3144,
10.2641

261.5224,

0.6890, 1.2980,

299.7882, 426.0561

5.4665

312.8195,
356.8370, 499.8754

■ 0.0000, 0.1397,
2.4600

■ 0.0000, 0.0000,
0.8189

■ 48.2686, 58.9454,
100.1004

■ 48.2686, 58.9454,
100.1004

■ 43.9319, 54.3190,
99.4371

■ 53.5610, 64.1632,
100.8297

■ 40.4681, 50.2366,
98.8317

■ 59.8717, 70.0020,
101.6241

■ 37.7891, 46.6527,
98.2811

■ 67.2645, 76.4970,
102.4881

■ 35.7833, 43.5089,
97.7800

■ 75.7959, 83.6785,
103.4246

■ 35.0685, 42.2765,
97.5798

■ 85.5186, 91.5746,
104.4363

■ 94.0086, 98.9367,
105.4098

■ 94.4128, 99.7451,
105.5446

Harmonies

Analogous

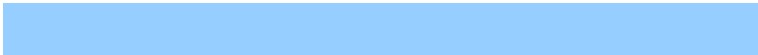
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4990, 58.9454, 80.3384



48.2686, 58.9454, 100.1004



54.3564, 58.9454, 110.5940

Triad

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



48.2686, 58.9454, 100.1004



70.4882, 58.9454, 69.1330



50.9616, 58.9454, 34.7735

Complementary

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



48.2686, 58.9454, 100.1004



53.0884, 42.5265, 20.4514

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.



57.7291, 58.9454, 32.9998



48.2686, 58.9454, 100.1004



69.3890, 58.9454, 50.3505

Square

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



48.2686, 58.9454, 100.1004



67.4623, 58.9454, 90.4506



64.5726, 58.9454, 38.0828



45.9609, 58.9454, 43.5654

Rectangle

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



48.2686, 58.9454, 100.1004



59.0677, 58.9454, 109.6516



64.5726, 58.9454, 38.0828



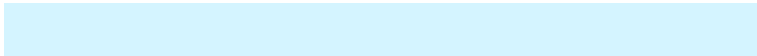
53.0902, 58.9454, 33.4236

Sweetspot

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



48.2705, 58.9476, 100.1018



77.4070, 85.7780, 107.0848



46.2428, 74.4507, 39.1297



16.1734, 18.0310, 22.8779



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.



48.2705, 58.9476, 100.1018



45.0306, 55.7338, 102.9921



34.2490, 30.9047, 95.4280



17.3659, 18.8086, 22.1004



18.5568, 22.4692, 51.3325



1.8039, 2.2514, 4.7827

Inverse Universe

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



57.7355, 36.7864, 68.3496



56.1883, 32.3305, 64.9513



67.2104, 70.7705, 25.1587



17.7912, 17.4438, 20.7563



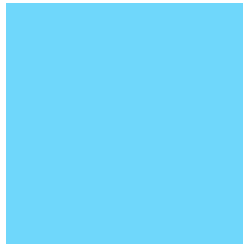
25.6586, 12.6792, 25.9746



2.4194, 1.1915, 2.6321

Previews

White Background



This preview shows how the XYZ color 48.2686, 58.9454, 100.1004 looks on a white background.

Color Contrast Check

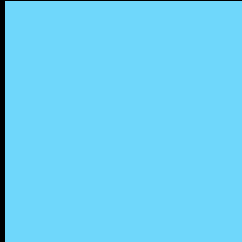
Large Text (above 18pt) WCAG AA × Fail

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 48.2686, 58.9454, 100.1004 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 48.2686, 58.9454, 100.1004

Background



This preview shows how black text looks on a background with the XYZ color 48.2686, 58.9454, 100.1004.

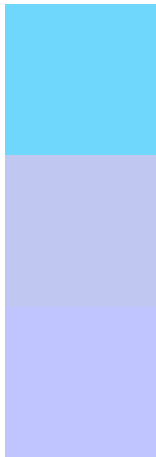


This preview shows how white text looks on a background with the XYZ color 48.2686, 58.9454,

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

48.2686, 58.9454, 100.1004

Protanopia

57.8898, 58.3446, 90.6486

Deuteranopia

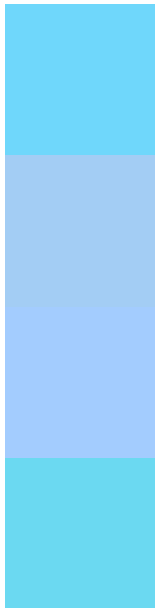
59.7545, 58.3590, 102.7227



Tritanopia

45.8925, 59.1442, 87.5944

Trichromacy



Original Color

48.2686, 58.9454, 100.1004

Protanomaly

53.2647, 57.9808, 93.9720

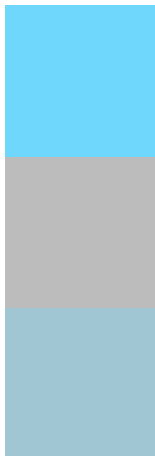
Deuteranomaly

54.5865, 58.1280, 102.1087

Tritanomaly

46.7534, 59.1024, 92.1628

Monochromacy



Original Color

48.2686, 58.9454, 100.1004

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.4492, 52.5649, 69.3259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2686, 58.9454, 100.1004 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(111, 215, 251)` looks like.

```
.text, #text, p{  
    color:rgb(111, 215, 251)  
}
```

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(111, 215, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 215, 251) }
```

Border

The CSS property to change the border of an element to XYZ 48.2686, 58.9454, 100.1004 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(111, 215, 251) }
```


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

```
.border{ border-color:rgb(111, 215, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 215, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 215, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 215, 251);  
box-shadow:4px 4px 4px 4px rgb(111, 215,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2686, 58.9454, 100.1004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 215, 251) }
```

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

```
.background{ background-color: rgb(111,  
215, 251) }
```

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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