

Converting Colors

XYZ(47.7545, 58.4949,
103.3815)

Have a look what the booklet for
XYZ(47.7545, 58.4949, 103.3815)
contains.

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Color

**XYZ(47.8299, 58.6457,
103.4066)**

Conversions

Conversions Part 1

Format	Color
Hex	66D7FF
RGB	102, 215, 255
RGB Percent	40%, 84%, 100%
CMY	0.6000, 0.1568, 0.0000
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.8299, 58.6457, 103.4066
YIQ	185.7730, -80.1880, -11.5160

Conversions

Conversions Part 2

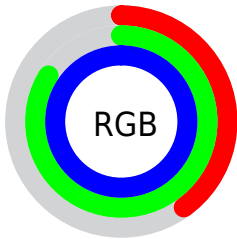
Format	Color
R _Y B	102, 167, 255
Decimal	6739967
CIE _{Lab}	81.10, -20.82, -29.18
CIE _{LCh}	81, 35.846, 234.496
Y _{xy}	58.6457, 0.2279, 0.2794
Android (android.graphics.Color)	4284930047 (0xFF66D7FF)
YUV	185.7730, 34.1289, -73.4689
Hunter-Lab	76.5805, -22.5300, -26.4529

Details

The XYZ color **47.8299, 58.6457, 103.4066** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.3123, 41.5667, 17.7856**, and the grayscale version is **46.3944, 48.8105, 53.1546**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **22.9450, 29.3122, 57.8746** is the 20% darker color. If you saturate the color by 10%, you get **43.7091, 54.0536, 102.7374**, and if you desaturate by 10%, it is **52.9118, 63.8384, 104.1410**.

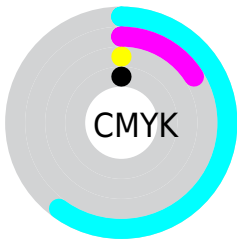
Distribution



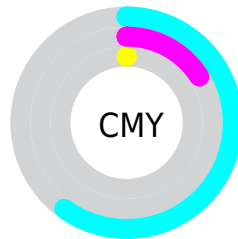
- Red (40%)
- Green (84%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8299, 58.6457, 103.4066 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 47.8299, 58.6457, 103.4066 by changing the saturation by 10% instead.


 47.8299, 58.6457,
103.4066


 47.8299, 58.6457,
103.4066


368.7113,
419.5877, 592.3999


 33.9029, 42.3280,
78.5159


 86.1623, 102.8626,
167.9234

 22.9815, 29.3582,
57.9789


 111.2984,
131.5305, 208.3865

 14.7005, 19.3520,
41.3771


 140.9016,
165.0839, 254.8775

 8.6944, 11.9249,
28.2919

175.3373,
203.9072, 307.8150

 4.5979, 6.6925,
18.3049

214.9707,
248.3849, 367.6174

 2.0456, 3.2706,
10.9974

260.1673,

 0.6594, 1.2746,

298.9013, 434.7033

5.9509

311.2924,
355.8407, 509.4913

■ 0.0000, 0.1214,
2.7470

■ 0.0000, 0.0000,
0.9669

■ 47.8299, 58.6457,
103.4066

■ 47.8299, 58.6457,
103.4066

■ 43.7091, 54.0536,
102.7374

■ 52.9118, 63.8384,
104.1410

■ 40.4589, 50.0105,
102.1283

■ 59.0242, 69.6650,
104.9435

■ 37.9795, 46.4652,
101.5747

■ 66.2358, 76.1633,
105.8177

■ 36.1055, 43.3309,
101.0685

■ 74.6076, 83.3658,
106.7667

■ 36.1050, 43.3300,
101.0683

■ 84.1959, 91.3029,
107.7934

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.



43.6970, 58.6457, 82.4176



47.8299, 58.6457, 103.4066



54.3785, 58.6457, 114.0055

Triad

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



47.8299, 58.6457, 103.4066



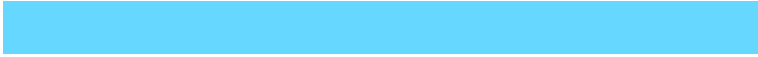
71.2475, 58.6457, 67.8708



50.0108, 58.6457, 33.3292

Complementary

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



47.8299, 58.6457, 103.4066



53.3123, 41.5667, 17.7856

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.



57.1260, 58.6457, 31.1095



47.8299, 58.6457, 103.4066



69.8166, 58.6457, 48.3128

Square

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



47.8299, 58.6457, 103.4066



68.2325, 58.6457, 90.7624



64.4796, 58.6457, 35.9453



44.8754, 58.6457, 42.8727

Rectangle

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



47.8299, 58.6457, 103.4066



59.4035, 58.6457, 112.3699



64.4796, 58.6457, 35.9453



52.2321, 58.6457, 31.8061

Sweetspot

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



47.8316, 58.6478, 103.4069



76.4235, 84.8913, 106.9655



45.9928, 76.2462, 37.2028



15.7949, 17.6966, 22.8332



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.



47.8316, 58.6478, 103.4069



42.9912, 53.2012, 102.6107



32.9458, 28.8762, 98.4450



18.1294, 19.6304, 23.0835



18.9935, 22.8967, 52.8530



1.9382, 2.4071, 5.1757

Inverse Universe

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



58.2583, 35.6707, 68.1068



54.7814, 30.3226, 61.9981



68.3876, 71.7173, 22.8107



18.5780, 18.2145, 21.6607



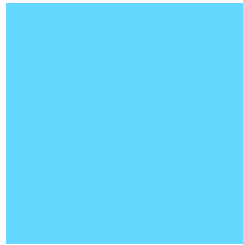
26.3753, 13.0394, 26.4243



2.6129, 1.2875, 2.8090

Previews

White Background



This preview shows how the XYZ color 47.8299, 58.6457, 103.4066 looks on a white background.

Color Contrast Check

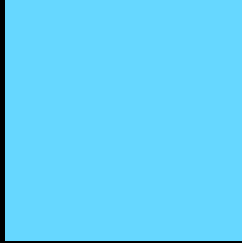
Large Text (above 18pt) WCAG AA × Fail

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 47.8299, 58.6457, 103.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

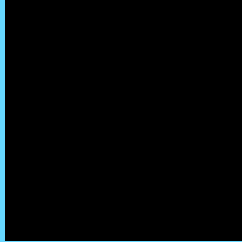
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8299, 58.6457, 103.4066

Background



This preview shows how black text looks on a background with the XYZ color 47.8299, 58.6457, 103.4066.

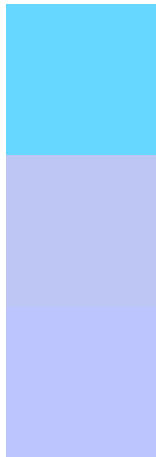


This preview shows how white text looks on a background with the XYZ color 47.8299, 58.6457,

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

47.8299, 58.6457, 103.4066

Protanopia

57.6069, 57.8064, 92.9156

Deuteranopia

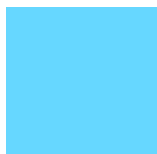
59.0025, 57.9713, 102.6876



Tritanopia

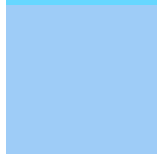
44.8278, 58.5786, 88.3010

Trichromacy



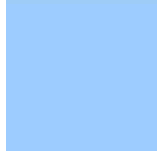
Original Color

47.8299, 58.6457, 103.4066



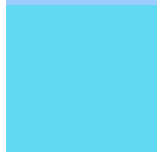
Protanomaly

52.4819, 57.1702, 96.2646



Deuteranomaly

53.5475, 57.5738, 102.8983



Tritanomaly

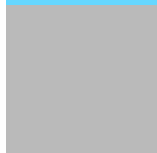
45.9203, 58.6382, 93.6921

Monochromacy



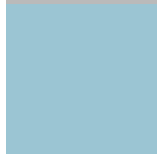
Original Color

47.8299, 58.6457, 103.4066



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

45.2417, 51.6042, 69.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8299, 58.6457, 103.4066 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(102, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.8299, 58.6457, 103.4066 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(102, 215, 255) }
```


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

```
.border{ border-color:rgb(102, 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(102, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8299, 58.6457, 103.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 215, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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