

Converting Colors

XYZ(48.5729, 58.7201, 91.0711)

Have a look what the booklet for
XYZ(48.5729, 58.7201, 91.0711)
contains.

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Color

**XYZ(48.4245, 58.4690,
91.1715)**

Conversions

Conversions Part 1

Format	Color
Hex	80D5F0
RGB	128, 213, 240
RGB Percent	50%, 84%, 94%
CMY	0.4980, 0.1647, 0.0588
CMYK	0.47, 0.11, 0.00, 0.06
HSL	194°, 79%, 72%
HSV	194°, 47%, 94%
XYZ	48.4245, 58.4690, 91.1715
YIQ	190.6630, -59.3270, -9.6230

Conversions

Conversions Part 2

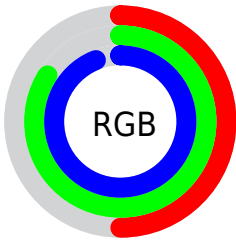
Format	Color
R _Y B	128, 176, 240
Decimal	8443376
CIE Lab	81.00, -18.76, -21.27
CIE LCh	81, 28.357, 228.592
Yxy	58.4690, 0.2445, 0.2952
Android (android.graphics.Color)	4286633456 (0xFF80D5F0)
YUV	190.6630, 24.3231, -54.9555
Hunter-Lab	76.4650, -20.7716, -17.1677

Details

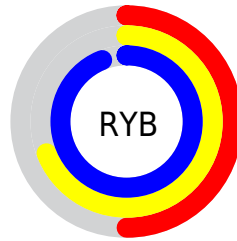
The XYZ color **48.4245, 58.4690, 91.1715** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.5540, 43.5277, 26.1082**, and the grayscale version is **49.2161, 51.7792, 56.3875**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **23.3328, 29.1796, 49.7499** is the 20% darker color. If you saturate the color by 10%, you get **43.8036, 53.9661, 90.5470**, and if you desaturate by 10%, it is **53.9547, 63.5203, 91.8561**.

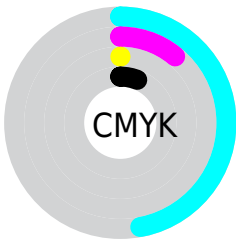
Distribution



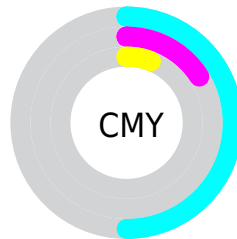
- Red (50%)
- Green (84%)
- Blue (94%)



- Red (50%)
- Yellow (69%)
- Blue (94%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)



- Cyan (50%)
- Magenta (16%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4245, 58.4690, 91.1715 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 48.4245, 58.4690, 91.1715 by changing the saturation by 10% instead.

48.4245, 58.4690,
91.1715

48.4245, 58.4690,
91.1715

371.0269,
418.9313, 552.5025

34.3758, 42.1858,
68.3735

87.0420, 102.6055,
150.9143

23.3467, 29.2468,
49.7331

112.3415,
131.2276, 188.6962

14.9718, 19.2676,
34.8317

142.1220,
164.7315, 232.3098

8.8858, 11.8638,
23.2507

176.7489,
203.5016, 282.1737

4.7233, 6.6510,
14.5717

216.5874,
247.9222, 338.7063

2.1189, 3.2448,
8.3761

262.0031,

0.6995, 1.2608,

298.3777, 402.3263

4.2453

313.3611,
355.2526, 473.4522

■ 0.0000, 0.1106,
1.7609

■ 0.0000, 0.0000,
0.4020

■ 48.4245, 58.4690,
91.1715

■ 48.4245, 58.4690,
91.1715

■ 43.8036, 53.9661,
90.5470

■ 53.9547, 63.5203,
91.8561

■ 40.0247, 49.9724,
89.9753


■ 60.4443, 69.1427,
92.5993


■ 37.0200, 46.4531,
89.4543


■ 67.9463, 75.3656,
93.4050


■ 34.7077, 43.3656,
88.9803


■ 76.5078, 82.2141,
94.2757


 32.9849, 40.6557,
88.5480

 86.1732, 89.7119,
95.2135

 32.4864, 39.8075,
88.4105

 90.4486, 94.5118,
95.9146

 92.2523, 98.1191,
96.5158

 92.7284, 99.0714,
96.6745

Harmonies

Analogous

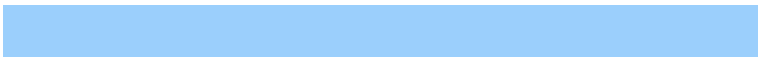
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5297, 58.4690, 74.5561



48.4245, 58.4690, 91.1715



53.3664, 58.4690, 100.9758

Triad

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



48.4245, 58.4690, 91.1715



67.4105, 58.4690, 70.2853



52.0452, 58.4690, 37.6373

Complementary

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



48.4245, 58.4690, 91.1715



51.5540, 43.5277, 26.1082

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.



57.8397, 58.4690, 36.9023



48.4245, 58.4690, 91.1715



66.9943, 58.4690, 53.8859

Square

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



48.4245, 58.4690, 91.1715



64.4927, 58.4690, 87.5741



63.3926, 58.4690, 42.3319



47.5162, 58.4690, 44.5558

Rectangle

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



48.4245, 58.4690, 91.1715



57.2796, 58.4690, 101.3521



63.3926, 58.4690, 42.3319



53.9007, 58.4690, 36.7106

Sweetspot

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



48.4263, 58.4712, 91.1729



80.4296, 88.4782, 107.4467



45.9075, 69.2482, 41.5785



16.7799, 18.5855, 22.9529



0.0000, 0.0000, 0.0000



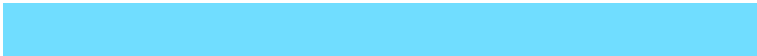
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.4263, 58.4712, 91.1729



50.5024, 62.1676, 103.9455



36.8360, 35.2905, 87.3094



15.9057, 17.2456, 20.2120



17.8920, 22.0083, 48.4329



1.5648, 1.9836, 4.0546

Inverse Universe

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



55.6661, 38.7694, 67.5025



60.0511, 38.0905, 72.2985



62.9123, 66.2443, 29.8943



16.2819, 15.9625, 19.0405



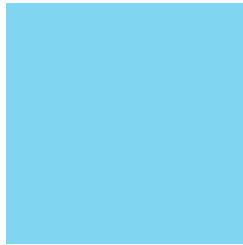
24.3567, 12.0151, 25.5926



2.0648, 1.0150, 2.3321

Previews

White Background



This preview shows how the XYZ color 48.4245, 58.4690, 91.1715 looks on a white background.

Color Contrast Check

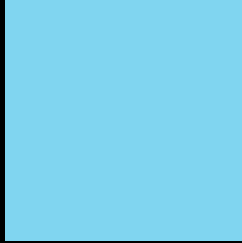
Large Text (above 18pt) WCAG AA × Fail

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 48.4245, 58.4690, 91.1715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

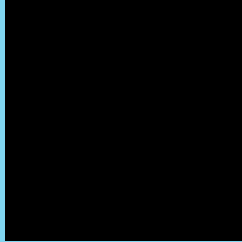
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4245, 58.4690, 91.1715

Background



This preview shows how black text looks on a background with the XYZ color 48.4245, 58.4690, 91.1715.



This preview shows how white text looks on a background with the XYZ color 48.4245, 58.4690,

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

48.4245, 58.4690, 91.1715

Protanopia

57.2120, 58.1621, 83.0739

Deuteranopia

59.3578, 58.0173, 93.6579



Tritanopia

47.0695, 58.2793, 85.1121

Trichromacy



Original Color

48.4245, 58.4690, 91.1715

Protanomaly

53.2387, 57.7842, 86.1894

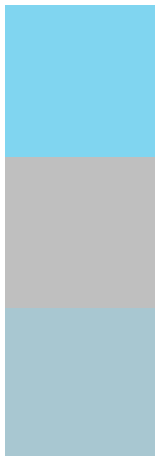
Deuteranomaly

54.5318, 57.5964, 93.0371

Tritanomaly

47.6461, 58.5269, 87.3829

Monochromacy



Original Color

48.4245, 58.4690, 91.1715

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.0805, 53.7751, 68.1671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4245, 58.4690, 91.1715 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(128, 213, 240)` looks like.

```
.text, #text, p{  
    color:rgb(128, 213, 240)  
}
```

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(128, 213, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 213, 240) }
```

Border

The CSS property to change the border of an element to XYZ 48.4245, 58.4690, 91.1715 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(128, 213, 240) }
```


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

```
.border{ border-color:rgb(128, 213, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 213, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 213, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 213, 240);  
box-shadow:4px 4px 4px 4px rgb(128, 213,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4245, 58.4690, 91.1715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 213, 240) }
```

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

```
.background{ background-color: rgb(128,  
213, 240) }
```

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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