

Converting Colors

XYZ(48.8427, 58.4284, 85.0236)

Have a look what the booklet for
XYZ(48.8427, 58.4284, 85.0236)
contains.

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Color

**XYZ(48.9242, 58.4886,
85.0548)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD4E8
RGB	140, 212, 232
RGB Percent	55%, 83%, 91%
CMY	0.4510, 0.1686, 0.0902
CMYK	0.40, 0.09, 0.00, 0.09
HSL	193°, 67%, 73%
HSV	193°, 40%, 91%
XYZ	48.9242, 58.4886, 85.0548
YIQ	192.7520, -49.3320, -9.0440

Conversions

Conversions Part 2

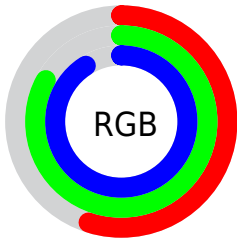
Format	Color
RYB	140, 180, 232
Decimal	9229544
CIELab	81.01, -17.43, -16.94
CIELCh	81, 24.306, 224.171
Yxy	58.4886, 0.2542, 0.3039
Android (android.graphics.Color)	4287419624 (0xFF8CD4E8)
YUV	192.7520, 19.3493, -46.2635
Hunter-Lab	76.4778, -19.6467, -12.4049

Details

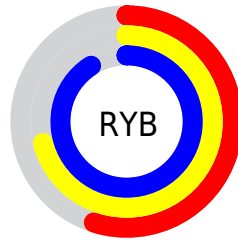
The XYZ color **48.9242, 58.4886, 85.0548** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.5842, 44.1919, 30.6764**, and the grayscale version is **50.4553, 53.0829, 57.8073**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **23.5496, 29.1333, 45.4564** is the 20% darker color. If you saturate the color by 10%, you get **44.1788, 54.2012, 84.4784**, and if you desaturate by 10%, it is **54.5367, 63.2842, 85.6857**.

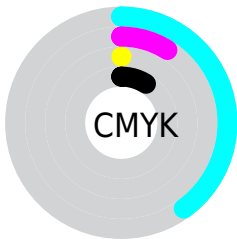
Distribution



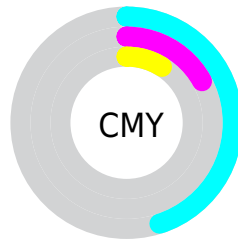
- Red (55%)
- Green (83%)
- Blue (91%)



- Red (55%)
- Yellow (71%)
- Blue (91%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (45%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9242, 58.4886, 85.0548 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 48.9242, 58.4886, 85.0548 by changing the saturation by 10% instead.

■ 48.9242, 58.4886,
85.0548

■ 48.9242, 58.4886,
85.0548

372.9657,
419.0041, 531.9587

■ 34.7736, 42.2016,
63.3363

■ 87.7803, 102.6340,
142.3246

■ 23.6543, 29.2592,
45.6705

■ 113.2165,
131.2612, 178.7129

■ 15.2007, 19.2770,
31.6391

143.1453,
164.7706, 220.8282

■ 9.0476, 11.8706,
20.8235

177.9321,
203.5466, 269.0891

■ 4.8296, 6.6556,
12.8050

217.9421,
247.9735, 323.9140

■ 2.1814, 3.2477,
7.1653

263.5409,

■ 0.7329, 1.2624,

298.4358, 385.7216

3.4857

315.0936,
355.3179, 454.9303

■ 0.0000, 0.1118,
1.3477

■ 0.0000, 0.0000,
0.1004

■ 48.9242, 58.4886,
85.0548

■ 48.9242, 58.4886,
85.0548

■ 44.1788, 54.2012,
84.4784

■ 54.5367, 63.2842,
85.6857

■ 40.2424, 50.3874,
83.9497

■ 61.0589, 68.6064,
86.3692

■ 37.0584, 47.0189,
83.4673

■ 68.5370, 74.4809,
87.1089

■ 34.5600, 44.0607,
83.0280

■ 77.0124, 80.9294,
87.9069

■ 32.6679, 41.4713,
82.6280

■ 86.1534, 87.7816,
88.7477

■ 31.2515, 39.1830,
82.2609

■ 87.6359, 90.7467,
89.2419

■ 31.2058, 39.1065,
82.2486

■ 89.1599, 93.7947,
89.7499

■ 90.7256, 96.9261,
90.2718

■ 91.5657, 98.6063,
90.5519

Harmonies

Analogous

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



46.7122, 58.4886, 70.7257



48.9242, 58.4886, 85.0548



52.9891, 58.4886, 94.3033

Triad

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



48.9242, 58.4886, 85.0548



65.4496, 58.4886, 71.5614



53.2520, 58.4886, 40.3801

Complementary

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



48.9242, 58.4886, 85.0548



50.5842, 44.1919, 30.6764

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.



58.2781, 58.4886, 40.5338



48.9242, 58.4886, 85.0548



65.5306, 58.4886, 57.1262

Square

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



48.9242, 58.4886, 85.0548



62.6239, 58.4886, 85.7458



62.8389, 58.4886, 46.2313



49.1066, 58.4886, 45.7739

Rectangle

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



48.9242, 58.4886, 85.0548



56.2997, 58.4886, 95.5813



62.8389, 58.4886, 46.2313



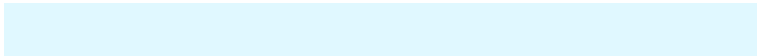
54.8896, 58.4886, 39.8135

Sweetspot

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



48.9260, 58.4909, 85.0562



82.5892, 90.4805, 107.7193



46.0126, 65.8257, 43.5093



17.4105, 19.1582, 23.0302



0.0000, 0.0000, 0.0000



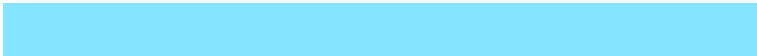
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9260, 58.4909, 85.0562



55.5116, 67.8776, 104.7837



39.0306, 38.7000, 81.7577



14.5277, 15.7767, 18.4239



17.4203, 21.9028, 45.6927



1.3534, 1.7508, 3.3986

Inverse Universe

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



54.5420, 40.6671, 67.2646



63.6312, 43.5491, 78.7376



60.0689, 63.1612, 33.8379



14.8539, 14.5588, 17.4312



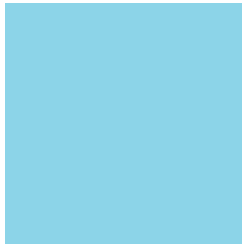
23.1865, 11.4088, 25.6747



1.7468, 0.8564, 2.0731

Previews

White Background



This preview shows how the XYZ color 48.9242, 58.4886, 85.0548 looks on a white background.

Color Contrast Check

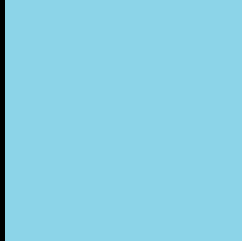
Large Text (above 18pt) WCAG AA × Fail

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 48.9242, 58.4886, 85.0548 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 48.9242, 58.4886, 85.0548

Background



This preview shows how black text looks on a background with the XYZ color 48.9242, 58.4886, 85.0548.



This preview shows how white text looks on a background with the XYZ color 48.9242, 58.4886,

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

48.9242, 58.4886, 85.0548

Protanopia

56.9039, 58.0990, 78.7361

Deuteranopia

59.3639, 58.1745, 86.6973



Tritanopia

48.4739, 58.2891, 83.5590

Trichromacy



Original Color

48.9242, 58.4886, 85.0548

Protanomaly

53.3625, 57.9619, 81.0483

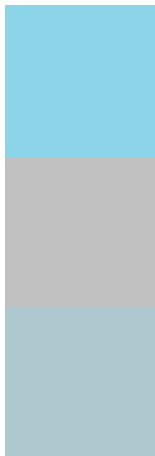
Deuteranomaly

54.7942, 57.8849, 86.1268

Tritanomaly

48.6147, 58.3455, 84.3008

Monochromacy



Original Color

48.9242, 58.4886, 85.0548

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.3723, 54.8122, 67.0091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9242, 58.4886, 85.0548 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(140, 212, 232)` looks like.

```
.text, #text, p{  
    color:rgb(140, 212, 232)  
}
```

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(140, 212, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 212, 232) }
```

Border

The CSS property to change the border of an element to XYZ 48.9242, 58.4886, 85.0548 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(140, 212, 232) }
```


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

```
.border{ border-color:rgb(140, 212, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 212, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 212, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 212, 232);  
box-shadow:4px 4px 4px 4px rgb(140, 212,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9242, 58.4886, 85.0548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 212, 232) }
```

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

```
.background{ background-color: rgb(140,  
212, 232) }
```

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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