

Converting Colors

XYZ(48.8000, 62.6916, 92.9466)

Have a look what the booklet for
XYZ(48.8000, 62.6916, 92.9466)
contains.

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Color

**XYZ(48.8395, 62.9134,
92.7885)**

Conversions

Conversions Part 1

Format	Color
Hex	6DE0F1
RGB	109, 224, 241
RGB Percent	43%, 88%, 95%
CMY	0.5725, 0.1216, 0.0549
CMYK	0.55, 0.07, 0.00, 0.05
HSL	188°, 83%, 69%
HSV	188°, 55%, 95%
XYZ	48.8395, 62.9134, 92.7885
YIQ	191.5530, -73.9970, -19.0930

Conversions

Conversions Part 2

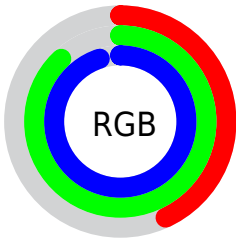
Format	Color
RYB	109, 170, 241
Decimal	7201009
CIELab	83.40, -27.95, -18.24
CIELCh	83, 33.380, 213.127
Yxy	62.9134, 0.2388, 0.3076
Android (android.graphics.Color)	4285391089 (0xFF6DE0F1)
YUV	191.5530, 24.3774, -72.3990
Hunter-Lab	79.3180, -28.8963, -13.8366

Details

The XYZ color **48.8395, 62.9134, 92.7885** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.4982, 34.7281, 18.7222**, and the grayscale version is **49.7378, 52.3280, 56.9852**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **23.5225, 31.9014, 50.8168** is the 20% darker color. If you saturate the color by 10%, you get **45.4452, 59.9380, 92.3942**, and if you desaturate by 10%, it is **53.0655, 66.3429, 93.2289**.

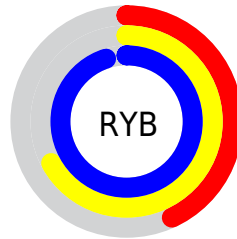
Distribution



Red (43%)

Green (88%)

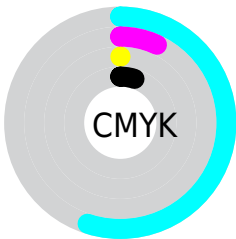
Blue (95%)



Red (43%)

Yellow (67%)

Blue (95%)

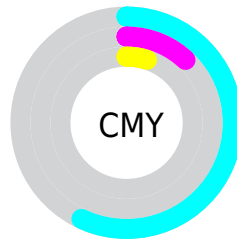


Cyan (55%)

Magenta (7%)

Yellow (0%)

Black (5%)



Cyan (57%)

Magenta (12%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8395, 62.9134, 92.7885 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 48.8395, 62.9134, 92.7885 by changing the saturation by 10% instead.

48.8395, 62.9134,
92.7885

48.8395, 62.9134,
92.7885

372.6376,
435.2551, 557.8631

34.7062, 45.7712,
69.7090

87.6552, 109.0446,
153.1749

23.6021, 32.0653,
50.8140

113.0683,
138.8023, 191.3190

15.1618, 21.4114,
35.6849

142.9720,
173.5339, 235.3216

9.0201, 13.4250,
23.9032

177.7317,
213.6239, 285.6015

4.8115, 7.7219,
15.0503

217.7128,
259.4566, 342.5770

2.1707, 3.9175,
8.7077

263.2805,

0.7272, 1.6275,

311.4165, 406.6667

4.4568

314.8003,
369.8878, 478.2892

■ 0.0000, 0.3760,
1.8791

■ 0.0000, 0.0000,
0.4794

■ 48.8395, 62.9134,
92.7885

■ 48.8395, 62.9134,
92.7885

■ 45.4452, 59.9380,
92.3942

■ 53.0655, 66.3429,
93.2289

■ 42.8086, 57.3742,
92.0383

■ 58.1778, 70.2508,
93.7137

■ 40.8522, 55.1835,
91.7186

■ 64.2334, 74.6677,
94.2471

■ 39.4786, 53.3155,
91.4304

■ 71.2825, 79.6198,
94.8314

■ 38.9156, 52.4274,
91.2887

■ 79.3718, 85.1312,
95.4689

■ 88.5452, 91.2246,
96.1615

■ 89.9906, 93.3573,
96.4970

■ 90.9411, 95.2584,
96.8139

■ 91.9075, 97.1912,
97.1360

Harmonies

Analogous

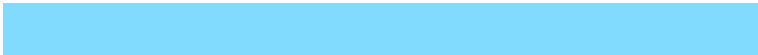
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.8990, 62.9134, 70.7089



48.8395, 62.9134, 92.7885



53.6995, 62.9134, 110.7705

Triad

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



48.8395, 62.9134, 92.7885



73.1512, 62.9134, 88.2349



59.0381, 62.9134, 35.8029

Complementary

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



48.8395, 62.9134, 92.7885



46.4982, 34.7281, 18.7222

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.



66.3400, 62.9134, 38.6408



48.8395, 62.9134, 92.7885



74.8670, 62.9134, 66.3415

Square

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



48.8395, 62.9134, 92.7885



67.7654, 62.9134, 107.7894



72.2825, 62.9134, 48.8726



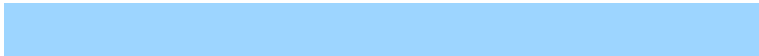
52.4797, 62.9134, 40.1508

Rectangle

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



48.8395, 62.9134, 92.7885



58.1403, 62.9134, 116.4229



72.2825, 62.9134, 48.8726



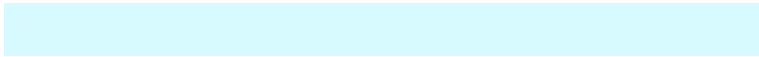
61.4855, 62.9134, 35.9511

Sweetspot

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



48.8414, 62.9158, 92.7900



79.9467, 89.7597, 107.7194



41.4270, 67.6286, 30.0738



16.7440, 18.9561, 23.0263



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.



48.8414, 62.9158, 92.7900



51.1841, 67.6949, 104.9765



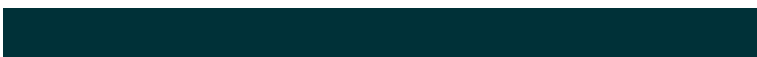
34.6872, 34.6072, 88.0719



16.0636, 17.5613, 20.2646



21.1731, 28.5705, 49.5266



1.8094, 2.4727, 4.1361

Inverse Universe

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



55.2005, 35.0216, 74.3740



59.3787, 33.9298, 80.7553



57.5377, 56.8072, 22.4021



16.3615, 15.9943, 19.4601



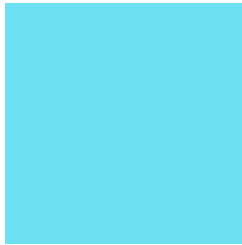
26.0128, 12.6776, 34.3138



2.1882, 1.0643, 2.9821

Previews

White Background



This preview shows how the XYZ color 48.8395, 62.9134, 92.7885 looks on a white background.

Color Contrast Check

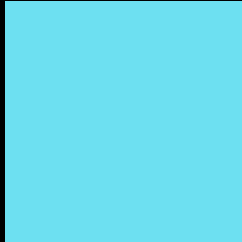
Large Text (above 18pt) WCAG AA × Fail

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 48.8395, 62.9134, 92.7885 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 48.8395, 62.9134, 92.7885

Background



This preview shows how black text looks on a background with the XYZ color 48.8395, 62.9134, 92.7885.

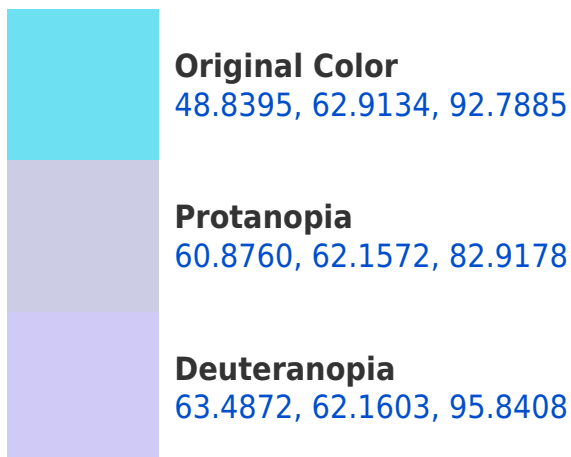


This preview shows how white text looks on a background with the XYZ color 48.8395, 62.9134,

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





Tritanopia

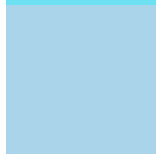
48.9893, 62.9733, 93.5775

Trichromacy



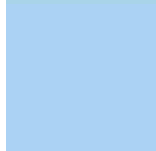
Original Color

48.8395, 62.9134, 92.7885



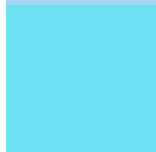
Protanomaly

54.6136, 61.4052, 86.0647



Deuteranomaly

56.1703, 61.2828, 94.4562



Tritanomaly

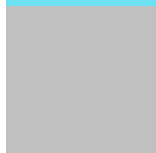
48.9893, 62.9733, 93.5775

Monochromacy



Original Color

48.8395, 62.9134, 92.7885



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.1260, 55.5203, 69.1527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8395, 62.9134, 92.7885 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(109, 224, 241)` looks like.

```
.text, #text, p{  
    color:rgb(109, 224, 241)  
}
```

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(109, 224, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 224, 241) }
```

Border

The CSS property to change the border of an element to XYZ 48.8395, 62.9134, 92.7885 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(109, 224, 241) }
```


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

```
.border{ border-color:rgb(109, 224, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 224, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 224, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 224, 241);  
box-shadow:4px 4px 4px 4px rgb(109, 224,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8395, 62.9134, 92.7885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 224, 241) }
```

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

```
.background{ background-color: rgb(109,  
224, 241) }
```

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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