

Converting Colors

XYZ(48.7782, 58.2588, 70.1001)

Have a look what the booklet for
XYZ(48.7782, 58.2588, 70.1001)
contains.

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Color

**XYZ(48.9568, 58.4598,
70.3316)**

Conversions

Conversions Part 1

Format	Color
Hex	9DD3D3
RGB	157, 211, 211
RGB Percent	62%, 83%, 83%
CMY	0.3843, 0.1725, 0.1725
CMYK	0.26, 0.00, 0.00, 0.17
HSL	180°, 38%, 72%
HSV	180°, 26%, 83%
XYZ	48.9568, 58.4598, 70.3316
YIQ	194.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

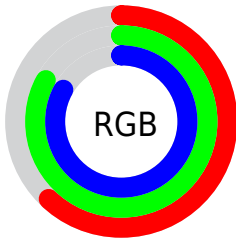
Format	Color
RYB	157, 184, 211
Decimal	10343379
CIELab	80.99, -17.28, -5.66
CIElCh	81, 18.178, 198.126
Yxy	58.4598, 0.2754, 0.3289
Android (android.graphics.Color)	4288533459 (0xFF9DD3D3)
YUV	194.8540, 7.9600, -33.1980
Hunter-Lab	76.4590, -19.5095, -1.0172

Details

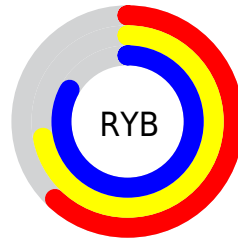
The XYZ color **48.9568, 58.4598, 70.3316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0088, 40.3989, 37.3262**, and the grayscale version is **51.7541, 54.4493, 59.2953**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **23.6832, 29.1543, 36.2774** is the 20% darker color. If you saturate the color by 10%, you get **45.1907, 56.5198, 70.1559**, and if you desaturate by 10%, it is **53.4372, 60.7710, 70.5432**.

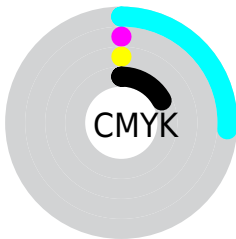
Distribution



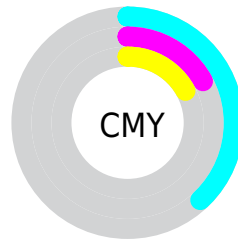
- Red (62%)
- Green (83%)
- Blue (83%)



- Red (62%)
- Yellow (72%)
- Blue (83%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)




- Cyan (38%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9568, 58.4598, 70.3316 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 48.9568, 58.4598, 70.3316 by changing the saturation by 10% instead.


 48.9568, 58.4598,
70.3316


 48.9568, 58.4598,
70.3316


373.0920,
418.8971, 480.5340

 34.7996, 42.1784,
51.3184


 87.8284, 102.5921,
121.3671

 23.6743, 29.2410,
36.0836


 113.2735,
131.2119, 154.2265

 15.2156, 19.2632,
24.2086


143.2120,
164.7132, 192.5383

 9.0582, 11.8606,
15.2748

178.0091,
203.4804, 236.7212

 4.8366, 6.6488,
8.8637

218.0304,
247.8981, 287.1937

 2.1855, 3.2435,
4.5568

263.6410,

 0.7351, 1.2601,

298.3505, 344.3743

1.9355

315.2065,
355.2220, 408.6816

■ 0.0000, 0.1100,
0.5152

■ 0.0000, 0.0000,
0.0000

■ 48.9568, 58.4598,
70.3316

■ 48.9568, 58.4598,
70.3316

■ 45.1907, 56.5198,
70.1559

■ 53.4372, 60.7710,
70.5432

■ 42.0973, 54.9251,
70.0105

■ 58.6608, 63.4639,
70.7883

■ 39.6385, 53.6576,
69.8948

■ 64.6610, 66.5571,
71.0698

■ 37.7704, 52.6945,
69.8067

■ 71.4677, 70.0660,
71.3890

■ 36.4433, 52.0104,
69.7439

■ 76.2940, 72.5540,
71.6156

■ 35.5998, 51.5756,
69.7037

■ 76.2941, 72.5541,
71.6162

■ 35.1689, 51.3534,
69.6829

■ 76.2942, 72.5541,
71.6169

■ 35.0524, 51.2934,
69.6772

■ 76.2944, 72.5542,
71.6176

■ 76.2945, 72.5543,
71.6182

Harmonies

Analogous

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



48.7690, 58.4598, 59.4767



48.9568, 58.4598, 70.3316



50.8654, 58.4598, 80.3940

Triad

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



48.9568, 58.4598, 70.3316



61.1378, 58.4598, 78.5378



57.0689, 58.4598, 45.4237

Complementary

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



48.9568, 58.4598, 70.3316



45.0088, 40.3989, 37.3262

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.



60.5439, 58.4598, 49.4137



48.9568, 58.4598, 70.3316



62.9632, 58.4598, 68.0199

Square

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



48.9568, 58.4598, 70.3316



57.8499, 58.4598, 85.4882



62.7411, 58.4598, 57.4108



53.3397, 58.4598, 45.8933

Rectangle

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



48.9568, 58.4598, 70.3316



52.9075, 58.4598, 84.9244



62.7411, 58.4598, 57.4108



58.3085, 58.4598, 46.2675

Sweetspot

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



48.9585, 58.4622, 70.3329



87.9389, 96.3341, 108.5664



43.4628, 56.2842, 40.4727



18.5549, 20.4815, 23.2251



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.



48.9585, 58.4622, 70.3329



71.7026, 87.9640, 107.8041



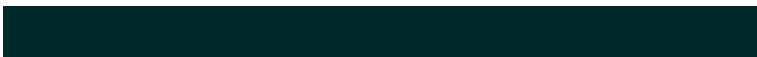
42.9923, 46.5293, 68.3458



12.1584, 13.4071, 15.1905



21.1532, 30.9542, 42.0484



1.1828, 1.7308, 2.3511

Inverse Universe

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



45.0088, 40.3989, 37.3262



64.5874, 55.4238, 48.3441



49.9060, 50.1936, 38.9575



11.8088, 11.8083, 12.2690



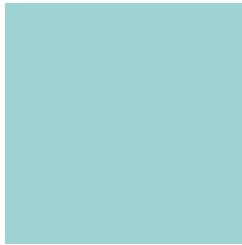
16.2124, 8.3578, 0.7590



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 48.9568, 58.4598, 70.3316 looks on a white background.

Color Contrast Check

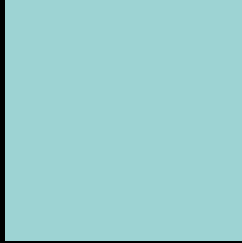
Large Text (above 18pt) WCAG AA × Fail

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 48.9568, 58.4598, 70.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

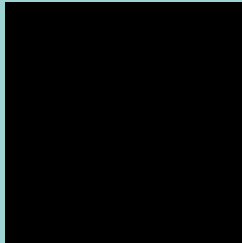
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9568, 58.4598, 70.3316

Background



This preview shows how black text looks on a background with the XYZ color 48.9568, 58.4598, 70.3316.

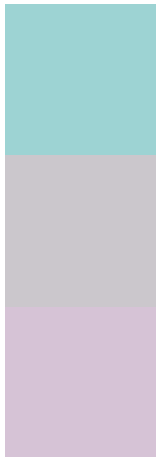


This preview shows how white text looks on a background with the XYZ color 48.9568, 58.4598,

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

48.9568, 58.4598, 70.3316

Protanopia

55.9511, 57.9030, 65.3542

Deuteranopia

59.3843, 58.1814, 71.7186



Tritanopia

50.8883, 58.5108, 79.8458

Trichromacy



Original Color

48.9568, 58.4598, 70.3316

Protanomaly

52.8681, 57.6560, 67.3738

Deuteranomaly

54.8892, 57.9148, 71.2365

Tritanomaly

50.2629, 58.6314, 76.3780

Monochromacy



Original Color

48.9568, 58.4598, 70.3316

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.4853, 55.8141, 63.3707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9568, 58.4598, 70.3316 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(157, 211, 211)` looks like.

```
.text, #text, p{  
    color:rgb(157, 211, 211)  
}
```

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(157, 211, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 211, 211) }
```

Border

The CSS property to change the border of an element to XYZ 48.9568, 58.4598, 70.3316 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(157, 211, 211) }
```


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

```
.border{ border-color:rgb(157, 211, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 211, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 211, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 211, 211);  
box-shadow:4px 4px 4px 4px rgb(157, 211,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9568, 58.4598, 70.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 211, 211) }
```

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

```
.background{ background-color: rgb(157,  
211, 211) }
```

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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