

Converting Colors

XYZ(34.6132, 48.7965, 57.7749)

Have a look what the booklet for
XYZ(34.6132, 48.7965, 57.7749)
contains.

XYZ(34.6982, 48.8298, 58.0484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.6982, 48.8298,
58.0484)**

Conversions

Conversions Part 1

Format	Color
Hex	52CCC1
RGB	82, 204, 193
RGB Percent	32%, 80%, 76%
CMY	0.6784, 0.2000, 0.2431
CMYK	0.60, 0.00, 0.05, 0.20
HSL	175°, 54%, 56%
HSV	175°, 60%, 80%
XYZ	34.6982, 48.8298, 58.0484
YIQ	166.2680, -69.1810, -29.2850

Conversions

Conversions Part 2

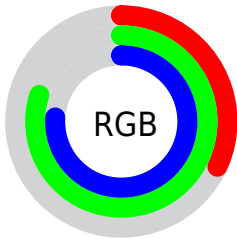
Format	Color
RYB	82, 146, 204
Decimal	5426369
CIELab	75.35, -36.38, -4.68
CIELCh	75, 36.680, 187.329
Yxy	48.8298, 0.2451, 0.3449
Android (android.graphics.Color)	4283616449 (0xFF52CCC1)
YUV	166.2680, 13.1789, -73.9030
Hunter-Lab	69.8783, -33.6526, -0.3378

Details

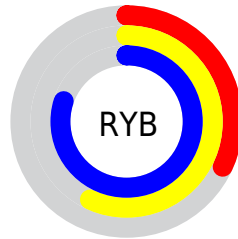
The XYZ color **34.6982, 48.8298, 58.0484** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.8966, 19.6638, 12.5775**, and the grayscale version is **36.3388, 38.2312, 41.6338**.

A 20% lighter version of the original color is **64.1866, 84.1992, 102.4916**, and **15.4811, 23.3883, 28.5094** is the 20% darker color. If you saturate the color by 10%, you get **32.9774, 47.9674, 56.9042**, and if you desaturate by 10%, it is **36.9517, 49.9688, 59.2331**.

Distribution



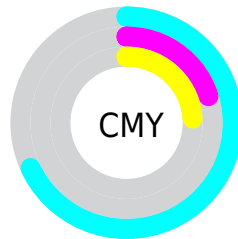
- Red (32%)
- Green (80%)
- Blue (76%)



- Red (32%)
- Yellow (57%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)





- Cyan (68%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6982, 48.8298, 58.0484 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 34.6982, 48.8298, 58.0484 by changing the saturation by 10% instead.


 34.6982, 48.8298,
58.0484


 34.6982, 48.8298,
58.0484


314.7656,
382.0719, 434.9695

 23.5959, 34.4845,
41.4326


 66.3551, 88.4386,
103.5088


 15.1572, 23.2660,
28.3350


 87.6404, 114.4709,
133.1905

 9.0169, 14.7901,
18.3371


 113.0507,
145.1677, 168.0646

 4.8094, 8.6722,
11.0204

 142.9515,
180.9132, 208.5496

 2.1695, 4.5280,
5.9662

177.7080,
222.0921, 255.0640

 0.7266, 1.9731,
2.7561

217.6856,

 0.0000, 0.5918,

269.0885, 308.0265

0.9715

263.2497,
322.2870, 367.8555

■ 0.0000, 0.0000,
0.0000

■ 34.6982, 48.8298,
58.0484

■ 34.6982, 48.8298,
58.0484

■ 32.9774, 47.9674,
56.9042

■ 36.9517, 49.9688,
59.2331

■ 31.7366, 47.3510,
55.7946

■ 39.7759, 51.4006,
60.4567

■ 30.9202, 46.9531,
54.7181

■ 43.2104, 53.1467,
61.7224

■ 30.4237, 46.7199,
53.6698

■ 47.2900, 55.2250,
63.0317

■ 30.4147, 46.7157,
53.6492

■ 52.0470, 57.6523,
64.3862

■ 57.5113, 60.4439,
65.7874

■ 63.7111, 63.6144,
67.2366

■ 70.6732, 67.1775,
68.7351

■ 74.4116, 69.0784,
70.0965

Harmonies

Analogous

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



35.4417, 48.8298, 40.0958



34.6982, 48.8298, 58.0484



36.8422, 48.8298, 79.0250

Triad

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



34.6982, 48.8298, 58.0484



54.7296, 48.8298, 88.5148



51.5925, 48.8298, 25.7282

Complementary

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



34.6982, 48.8298, 58.0484



29.8966, 19.6638, 12.5775

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.



57.5084, 48.8298, 33.6725



34.6982, 48.8298, 58.0484



59.4385, 48.8298, 68.8097

Square

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



34.6982, 48.8298, 58.0484



48.0857, 48.8298, 99.1788



60.5018, 48.8298, 48.5679



44.7762, 48.8298, 24.1782

Rectangle

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



34.6982, 48.8298, 58.0484



39.7555, 48.8298, 90.9697



60.5018, 48.8298, 48.5679



53.7713, 48.8298, 27.6265

Sweetspot

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



34.6996, 48.8317, 58.0496



79.4734, 92.0462, 104.7297



27.7541, 46.1871, 15.4361



16.5488, 19.4662, 22.2773



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.



34.6996, 48.8317, 58.0496



53.8858, 79.0739, 93.6533



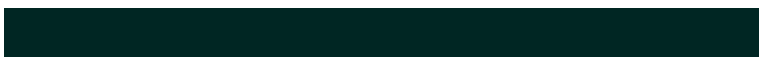
26.1350, 29.6647, 61.4771



11.4979, 12.7089, 14.1796



19.1607, 29.4096, 33.8610



1.0016, 1.5224, 1.8157

Inverse Universe

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



29.8966, 19.6638, 12.5775



45.2784, 26.5214, 11.9559



34.5161, 29.6273, 11.8833



11.2527, 11.2298, 11.8655



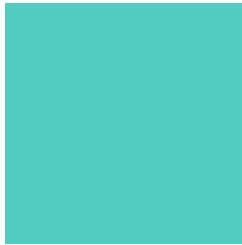
15.7594, 8.1143, 1.1856



0.8275, 0.4244, 0.1374

Previews

White Background



This preview shows how the XYZ color 34.6982, 48.8298, 58.0484 looks on a white background.

Color Contrast Check

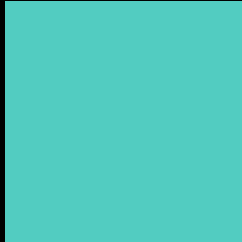
Large Text (above 18pt) WCAG AA × Fail

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 34.6982, 48.8298, 58.0484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

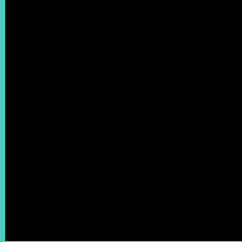
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

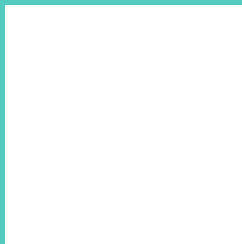
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6982, 48.8298, 58.0484

Background



This preview shows how black text looks on a background with the XYZ color 34.6982, 48.8298, 58.0484.

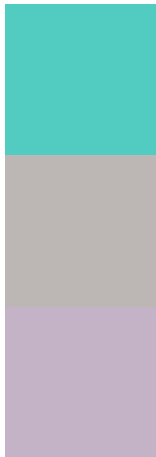


This preview shows how white text looks on a background with the XYZ color 34.6982, 48.8298,

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

34.6982, 48.8298, 58.0484

Protanopia

46.0130, 47.8945, 50.5355

Deuteranopia

49.0781, 48.0532, 60.1146



Tritanopia

37.5923, 48.5936, 73.0438

Trichromacy



Original Color

34.6982, 48.8298, 58.0484



Protanomaly

39.7822, 47.1539, 52.9038



Deuteranomaly

41.4646, 46.9205, 59.0957



Tritanomaly

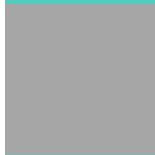
36.2963, 48.4021, 67.1040

Monochromacy



Original Color

34.6982, 48.8298, 58.0484



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.1494, 40.9280, 47.1743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6982, 48.8298, 58.0484 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(82, 204, 193)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 193)  
}
```

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(82, 204, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 193) }
```

Border

The CSS property to change the border of an element to XYZ 34.6982, 48.8298, 58.0484 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(82, 204, 193) }
```


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

```
.border{ border-color:rgb(82, 204, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 204, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 193);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6982, 48.8298, 58.0484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 193) }
```

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

```
.background{ background-color: rgb(82, 204,  
193) }
```

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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