

Converting Colors

XYZ(34.3946, 48.7059, 56.6133)

Have a look what the booklet for
XYZ(34.3946, 48.7059, 56.6133)
contains.

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Color

**XYZ(34.4765, 48.7412,
56.8811)**

Conversions

Conversions Part 1

Format	Color
Hex	52CCBF
RGB	82, 204, 191
RGB Percent	32%, 80%, 75%
CMY	0.6784, 0.2000, 0.2510
CMYK	0.60, 0.00, 0.06, 0.20
HSL	174°, 54%, 56%
HSV	174°, 60%, 80%
XYZ	34.4765, 48.7412, 56.8811
YIQ	166.0400, -68.5390, -29.9070

Conversions

Conversions Part 2

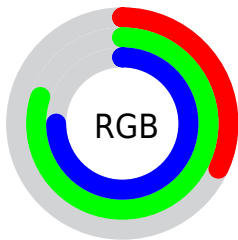
Format	Color
R _Y B	82, 146, 204
Decimal	5426367
CIE Lab	75.29, -36.91, -3.68
CIE LCh	75, 37.088, 185.695
Yxy	48.7412, 0.2461, 0.3479
Android (android.graphics.Color)	4283616447 (0xFF52CCBF)
YUV	166.0400, 12.3053, -73.7031
Hunter-Lab	69.8149, -34.0279, 0.5644

Details

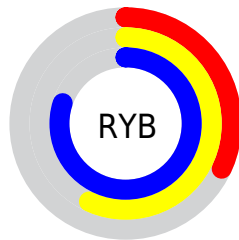
The XYZ color **34.4765, 48.7412, 56.8811** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **29.9863, 19.6995, 13.0500**, and the grayscale version is **36.2323, 38.1192, 41.5118**.

A 20% lighter version of the original color is **63.8762, 84.0750, 100.8572**, and **15.3349, 23.3299, 27.7396** is the 20% darker color. If you saturate the color by 10%, you get **32.7222, 47.8654, 55.5602**, and if you desaturate by 10%, it is **36.7645, 49.8940, 58.2477**.

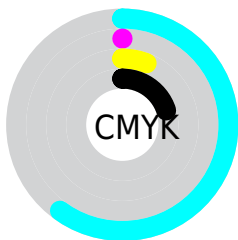
Distribution



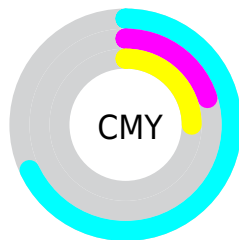
- Red (32%)
- Green (80%)
- Blue (75%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (20%)





- Cyan (68%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4765, 48.7412, 56.8811 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 34.4765, 48.7412, 56.8811 by changing the saturation by 10% instead.


 34.4765, 48.7412,
56.8811


 34.4765, 48.7412,
56.8811


313.8002,
381.7226, 430.4849


 23.4245, 34.4142,
40.5011


 66.0134, 88.3070,
101.7903


 15.0297, 23.2120,
27.6127


 87.2290, 114.3145,
131.1565

 8.9267, 14.7501,
17.7974


 112.5631,
144.9844, 165.6886

 4.7501, 8.6442,
10.6367

 142.3813,
180.7010, 205.8050

 2.1346, 4.5098,
5.7120

177.0487,
221.8488, 251.9242

 0.7079, 1.9627,
2.6048

216.9307,

 0.0000, 0.5856,

268.8120, 304.4650

0.8949

262.3928,
321.9752, 363.8457

■ 0.0000, 0.0000,
0.0000

■ 34.4765, 48.7412,
56.8811

■ 34.4765, 48.7412,
56.8811

■ 32.7222, 47.8654,
55.5602

■ 36.7645, 49.8940,
58.2477

■ 31.4488, 47.2360,
54.2792

■ 39.6242, 51.3400,
59.6586

■ 30.6008, 46.8255,
53.0365

■ 43.0953, 53.1007,
61.1167

■ 30.0738, 46.5800,
51.8271

■ 47.2125, 55.1941,
62.6240

■ 30.0643, 46.5756,
51.8034

■ 52.0080, 57.6368,
64.1818

■ 57.5119, 60.4442,
65.7917

■ 63.7524, 63.6309,
67.4550

■ 70.7562, 67.2107,
69.1732

■ 74.5376, 69.1289,
70.7597

Harmonies

Analogous

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



35.3848, 48.7412, 39.0785



34.4765, 48.7412, 56.8811



36.4820, 48.7412, 78.1074

Triad

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



34.4765, 48.7412, 56.8811



54.3982, 48.7412, 89.7416



51.9307, 48.7412, 25.6970

Complementary

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



34.4765, 48.7412, 56.8811



29.9863, 19.6995, 13.0500

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.



57.8008, 48.7412, 34.0532



34.4765, 48.7412, 56.8811



59.3203, 48.7412, 70.0586

Square

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



34.4765, 48.7412, 56.8811



47.6390, 48.7412, 99.8388



60.6226, 48.7412, 49.4347



45.0394, 48.7412, 23.8090

Rectangle

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



34.4765, 48.7412, 56.8811



39.3294, 48.7412, 90.4841



60.6226, 48.7412, 49.4347



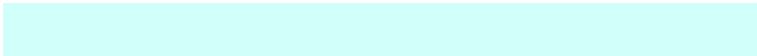
54.1091, 48.7412, 27.7217

Sweetspot

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



34.4779, 48.7431, 56.8822



79.3551, 91.9988, 104.1066



27.9658, 46.2964, 15.4458



16.5195, 19.4545, 22.1229



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.



34.4779, 48.7431, 56.8822



53.4460, 78.8980, 91.3375



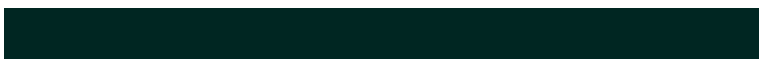
26.4768, 30.3482, 61.5912



11.4897, 12.7056, 14.1364



18.9429, 29.3224, 32.7138



0.9924, 1.5188, 1.7674

Inverse Universe

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



29.9863, 19.6995, 13.0500



45.4057, 26.5723, 12.6259



34.2461, 29.0874, 11.7931



11.2601, 11.2328, 11.9044



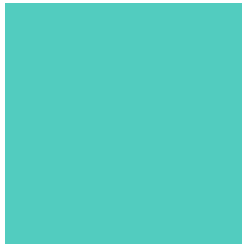
15.7800, 8.1226, 1.2941



0.8309, 0.4258, 0.1554

Previews

White Background



This preview shows how the XYZ color 34.4765, 48.7412, 56.8811 looks on a white background.

Color Contrast Check

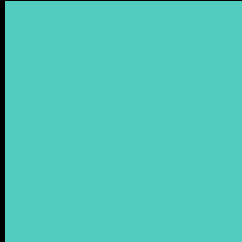
Large Text (above 18pt) WCAG AA × Fail

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 34.4765, 48.7412, 56.8811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

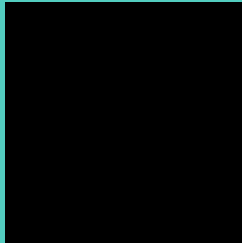
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

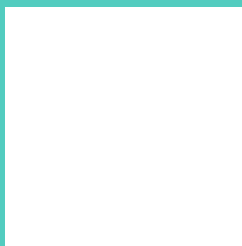
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4765, 48.7412, 56.8811

Background



This preview shows how black text looks on a background with the XYZ color 34.4765, 48.7412, 56.8811.

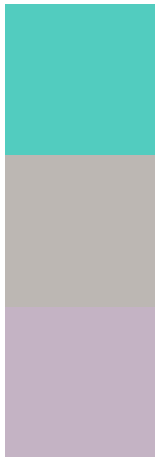


This preview shows how white text looks on a background with the XYZ color 34.4765, 48.7412,

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

34.4765, 48.7412, 56.8811

Protanopia

45.8092, 47.8130, 49.4623

Deuteranopia

48.8489, 47.9615, 58.9074



Tritanopia

37.4626, 48.5417, 72.3608

Trichromacy



Original Color

34.4765, 48.7412, 56.8811



Protanomaly

39.5725, 47.0701, 51.7995



Deuteranomaly

41.2384, 46.8300, 57.9045



Tritanomaly

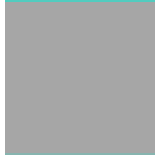
36.1736, 48.3530, 66.4580

Monochromacy



Original Color

34.4765, 48.7412, 56.8811



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.0508, 40.8886, 46.6551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4765, 48.7412, 56.8811 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 191) }
```

Border

The CSS property to change the border of an element to XYZ 34.4765, 48.7412, 56.8811 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, 191) }
```


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

```
.border{ border-color:rgb(82, 204, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 191);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4765, 48.7412, 56.8811 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, 191) }
```

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

```
.background{ background-color: rgb(82, 204,  
191) }
```

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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