

Converting Colors

XYZ(34.8288, 48.7502, 64.7011)

Have a look what the booklet for
XYZ(34.8288, 48.7502, 64.7011)
contains.

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Color

**XYZ(34.8067, 48.7387,
64.6997)**

Conversions

Conversions Part 1

Format	Color
Hex	43CCCC
RGB	67, 204, 204
RGB Percent	26%, 80%, 80%
CMY	0.7372, 0.2000, 0.2000
CMYK	0.67, 0.00, 0.00, 0.20
HSL	180°, 57%, 53%
HSV	180°, 67%, 80%
XYZ	34.8067, 48.7387, 64.6997
YIQ	163.0370, -81.6520, -29.0440

Conversions

Conversions Part 2

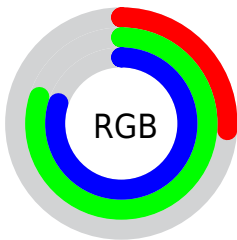
Format	Color
RYB	67, 136, 204
Decimal	4443340
CIELab	75.29, -35.76, -10.75
CIElCh	75, 37.344, 196.728
Yxy	48.7387, 0.2348, 0.3288
Android (android.graphics.Color)	4282633420 (0xFF43CCCC)
YUV	163.0370, 20.1948, -84.2244
Hunter-Lab	69.8131, -33.1782, -6.0782

Details

The XYZ color **34.8067, 48.7387, 64.6997** 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 **27.9238, 17.2585, 7.1712**, and the grayscale version is **34.7672, 36.5778, 39.8333**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **16.2525, 23.6969, 32.5715** is the 20% darker color. If you saturate the color by 10%, you get **33.6471, 48.1420, 64.6464**, and if you desaturate by 10%, it is **36.4616, 49.5929, 64.7784**.

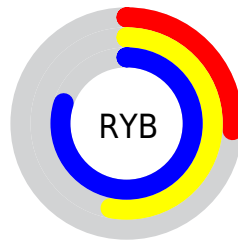
Distribution



Red (26%)

Green (80%)

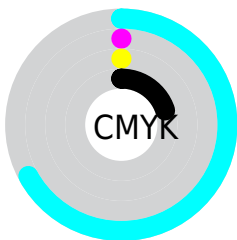
Blue (80%)



Red (26%)

Yellow (53%)

Blue (80%)

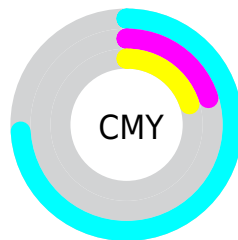


Cyan (67%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (74%)


Magenta (20%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8067, 48.7387, 64.6997 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 34.8067, 48.7387, 64.6997 by changing the saturation by 10% instead.


 34.8067, 48.7387,
64.6997


 34.8067, 48.7387,
64.6997


315.2373,
381.7127, 459.9887


 23.6798, 34.4122,
46.7678


 66.5222, 88.3032,
113.2271


 15.2197, 23.2105,
32.4991


 87.8415, 114.3101,
144.6598

 9.0611, 14.7490,
21.4750


 113.2891,
144.9793, 181.4298

 4.8385, 8.6434,
13.2771

 143.2302,
180.6951, 223.9556

 2.1866, 4.5093,
7.4866

178.0302,
221.8419, 272.6559

 0.7356, 1.9624,
3.6852

218.0545,

 0.0000, 0.5855,

268.8042, 327.9492

1.4543

263.6684,
321.9664, 390.2539

■ 0.0000, 0.0000,
0.1835

■ 0.0000, 0.0000,
0.0000

■ 34.8067, 48.7387,
64.6997

■ 34.8067, 48.7387,
64.6997

■ 33.6471, 48.1420,
64.6464

■ 36.4616, 49.5929,
64.7784

■ 32.9241, 47.7693,
64.6123

■ 38.6540, 50.7232,
64.8812

■ 32.5655, 47.5844,
64.5954

■ 41.4265, 52.1524,
65.0111

■ 32.4928, 47.5469,
64.5919

■ 44.8163, 53.8999,
65.1699

■ 48.8573, 55.9831,
65.3592

■ 53.5812, 58.4184,
65.5805

■ 59.0175, 61.2209,
65.8351

■ 65.1939, 64.4049,
66.1243

■ 72.1368, 67.9841,
66.4494

Harmonies

Analogous

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



34.6368, 48.7387, 44.8601



34.8067, 48.7387, 64.6997



37.8592, 48.7387, 85.5960

Triad

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



34.8067, 48.7387, 64.6997



56.6068, 48.7387, 83.3998



49.4191, 48.7387, 24.1401

Complementary

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



34.8067, 48.7387, 64.6997



27.9238, 17.2585, 7.1712

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.



55.9664, 48.7387, 30.0428



34.8067, 48.7387, 64.6997



60.3840, 48.7387, 62.2210

Square

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



34.8067, 48.7387, 64.6997



50.2256, 48.7387, 98.0854



60.1387, 48.7387, 42.9216



42.6312, 48.7387, 24.4904

Rectangle

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



34.8067, 48.7387, 64.6997



41.3065, 48.7387, 95.8809



60.1387, 48.7387, 42.9216



51.7336, 48.7387, 25.3818

Sweetspot

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



34.8082, 48.7405, 64.7009



78.7117, 91.5773, 108.1348



25.0820, 44.8685, 12.6500



16.4366, 19.3895, 23.1260



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.



34.8082, 48.7405, 64.7009



55.0498, 79.3792, 107.0256



22.2730, 23.6698, 60.5236



11.5433, 12.7271, 14.4185



20.4506, 29.9256, 40.6535



1.0550, 1.5438, 2.0973

Inverse Universe

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



27.9238, 17.2585, 7.1712



42.8583, 23.6281, 5.1473



34.3341, 30.0792, 9.3077



11.2124, 11.2137, 11.6530



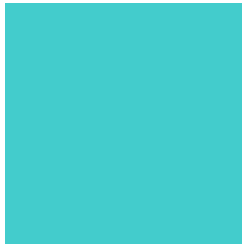
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 34.8067, 48.7387, 64.6997 looks on a white background.

Color Contrast Check

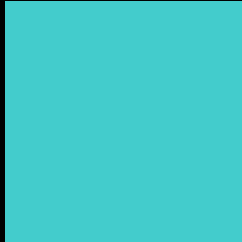
Large Text (above 18pt) WCAG AA × Fail

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 34.8067, 48.7387, 64.6997 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

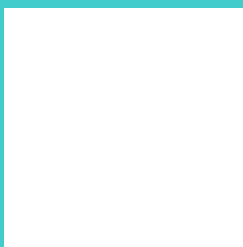
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8067, 48.7387, 64.6997

Background



This preview shows how black text looks on a background with the XYZ color 34.8067, 48.7387, 64.6997.

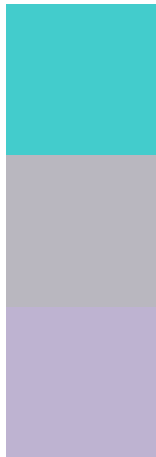


This preview shows how white text looks on a background with the XYZ color 34.8067, 48.7387,

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

34.8067, 48.7387, 64.6997

Protanopia

46.3450, 47.9428, 56.1015

Deuteranopia

48.8639, 47.7908, 66.9707



Tritanopia

36.6771, 48.7989, 73.8157

Trichromacy



Original Color

34.8067, 48.7387, 64.6997



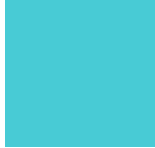
Protanomaly

39.7499, 46.9979, 59.2010



Deuteranomaly

40.9228, 46.4912, 65.8483



Tritanomaly

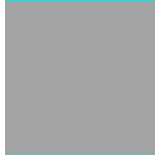
36.0387, 48.8937, 70.4888

Monochromacy



Original Color

34.8067, 48.7387, 64.6997



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.8584, 39.6443, 48.0398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8067, 48.7387, 64.6997 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(67, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(67, 204, 204)  
}
```

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(67, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.8067, 48.7387, 64.6997 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(67, 204, 204) }
```


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

```
.border{ border-color:rgb(67, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(67, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8067, 48.7387, 64.6997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 204, 204) }
```

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

```
.background{ background-color: rgb(67, 204,  
204) }
```

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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