

Converting Colors

XYZ(33.8645, 48.4055, 43.7260)

Have a look what the booklet for
XYZ(33.8645, 48.4055, 43.7260)
contains.

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Color

**XYZ(33.8324, 48.3486,
43.6255)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 67CBA6 |
| RGB | 103, 203, 166 |
| RGB Percent | 40%, 80%, 65% |
| CMY | 0.5961, 0.2039, 0.3490 |
| CMYK | 0.49, 0.00, 0.18, 0.20 |
| HSL | 158°, 49%, 60% |
| HSV | 158°, 49%, 80% |
| XYZ | 33.8324, 48.3486, 43.6255 |
| YIQ | 168.8820, -47.7230, -32.7070 |

Conversions

Conversions Part 2

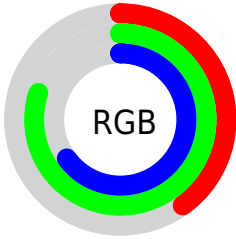
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 103, 164, 203 |
| Decimal | 6802342 |
| CIELab | 75.04, -38.08, 9.53 |
| CIElCh | 75, 39.255, 165.950 |
| Yxy | 48.3486, 0.2689, 0.3843 |
| Android (android.graphics.Color) | 4284992422 (0xFF67CBA6) |
| YUV | 168.8820, -1.4208, -57.7785 |
| Hunter-Lab | 69.5332, -34.8312, 11.4743 |

Details

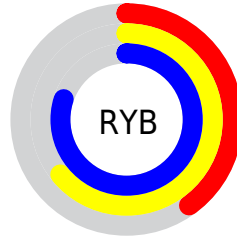
The XYZ color **33.8324, 48.3486, 43.6255** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.2141, 24.2917, 27.6982**, and the grayscale version is **37.6785, 39.6408, 43.1688**.

A 20% lighter version of the original color is **63.3083, 84.2140, 81.3248**, and **14.6234, 22.9083, 19.5706** is the 20% darker color. If you saturate the color by 10%, you get **31.1117, 47.0246, 40.0064**, and if you desaturate by 10%, it is **37.1612, 49.9840, 47.4853**.

Distribution



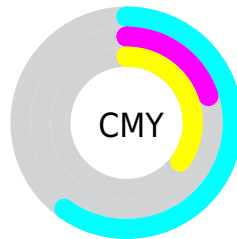
- Red (40%)
- Green (80%)
- Blue (65%)



- Red (40%)
- Yellow (64%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)





- Cyan (60%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8324, 48.3486, 43.6255 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 33.8324, 48.3486, 43.6255 by changing the saturation by 10% instead.


 33.8324, 48.3486,
43.6255


 33.8324, 48.3486,
43.6255


310.9832,
380.1722, 377.1744


 22.9272, 34.1030,
30.0412


 65.0190, 87.7232,
81.9504


 14.6601, 22.9728,
19.6175


 86.0310, 113.6210,
107.5280

 8.6660, 14.5734,
11.9360


 111.1427,
144.1717, 137.9405

 4.5793, 8.5205,
6.5781

 140.7194,
179.7597, 173.6063

 2.0348, 4.4298,
3.1253

175.1264,
220.7694, 214.9441

 0.6534, 1.9168,
1.1589

214.7291,

 0.0000, 0.5584,

267.5851, 262.3723

0.0000

259.8929,
320.5912, 316.3096

■ 0.0000, 0.0000,
0.0000

■ 33.8324, 48.3486,
43.6255

■ 33.8324, 48.3486,
43.6255

■ 31.1117, 47.0246,
40.0064

■ 37.1612, 49.9840,
47.4853

■ 28.9529, 45.9844,
36.6191

■ 41.1323, 51.9444,
51.5877

■ 27.3092, 45.2053,
33.4588


■ 45.7818, 54.2499,
55.9388


■ 26.1241, 44.6582,
30.5192


■ 51.1422, 56.9169,
60.5435


■ 25.3012, 44.2935,
27.7918


■ 57.2434, 59.9609,
65.4064

 25.2458, 44.2692,
27.5980

 64.1141, 63.3965,
70.5319

 71.7809, 67.2375,
75.9245

 76.3371, 69.4697,
81.4043

 77.3913, 69.8914,
86.9560

Harmonies

Analogous

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



36.7380, 48.3486, 29.6813



33.8324, 48.3486, 43.6255



33.9289, 48.3486, 64.2588

Triad

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



33.8324, 48.3486, 43.6255



49.8484, 48.3486, 100.4796



56.2244, 48.3486, 29.0541

Complementary

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



33.8324, 48.3486, 43.6255



34.2141, 24.2917, 27.6982

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.



60.5294, 48.3486, 42.5195



33.8324, 48.3486, 43.6255



56.5949, 48.3486, 85.1546

Square

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



33.8324, 48.3486, 43.6255



42.6866, 48.3486, 101.0018



60.6716, 48.3486, 62.8256



49.3838, 48.3486, 22.8736

Rectangle

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



33.8324, 48.3486, 43.6255



35.6699, 48.3486, 79.3998



60.6716, 48.3486, 62.8256



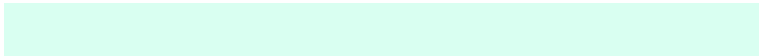
58.0459, 48.3486, 32.6949

Sweetspot

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



33.8337, 48.3505, 43.6266



80.1553, 92.5752, 96.7434



34.8469, 49.3852, 20.5284



16.7574, 19.6164, 20.3585



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.



33.8337, 48.3505, 43.6266



51.8803, 78.6350, 66.6783



35.0781, 44.6044, 63.2629



11.3603, 12.6539, 13.4550



16.1109, 28.1897, 17.8008



0.8670, 1.4686, 1.1072

Inverse Universe

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



34.2141, 24.2917, 27.6982



52.6102, 33.8175, 37.1127



33.1710, 25.8626, 16.0764



11.3811, 11.2812, 12.5414



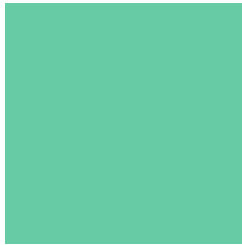
16.5247, 8.4205, 5.2160



0.8889, 0.4490, 0.4607

Previews

White Background



This preview shows how the XYZ color 33.8324, 48.3486, 43.6255 looks on a white background.

Color Contrast Check

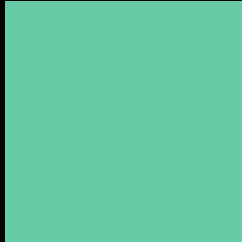
Large Text (above 18pt) WCAG AA × Fail

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 33.8324, 48.3486, 43.6255 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

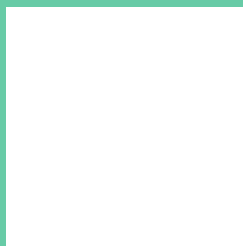
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8324, 48.3486, 43.6255

Background



This preview shows how black text looks on a background with the XYZ color 33.8324, 48.3486, 43.6255.



This preview shows how white text looks on a background with the XYZ color 33.8324, 48.3486,

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

33.8324, 48.3486, 43.6255

Protanopia

44.9266, 47.6047, 38.2732

Deuteranopia

48.6221, 47.5447, 45.6441



Tritanopia

39.0524, 48.3990, 69.5710

Trichromacy



Original Color

33.8324, 48.3486, 43.6255



Protanomaly

39.2558, 46.8386, 40.2295



Deuteranomaly

41.1768, 46.4551, 44.8267



Tritanomaly

36.8293, 48.1665, 58.9857

Monochromacy



Original Color

33.8324, 48.3486, 43.6255



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.2688, 41.8946, 43.2734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8324, 48.3486, 43.6255 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(103, 203, 166)` looks like.

```
.text, #text, p{  
    color:rgb(103, 203, 166)  
}
```

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(103, 203, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 203, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.8324, 48.3486, 43.6255 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(103, 203, 166) }
```


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

```
.border{ border-color:rgb(103, 203, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 203, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 203, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 203, 166);  
box-shadow:4px 4px 4px 4px rgb(103, 203,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8324, 48.3486, 43.6255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 203, 166) }
```

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

```
.background{ background-color: rgb(103,  
203, 166) }
```

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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