

Converting Colors

XYZ(33.3770, 48.4485, 40.7863)

Have a look what the booklet for
XYZ(33.3770, 48.4485, 40.7863)
contains.

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Color

**XYZ(33.4175, 48.5486,
40.8672)**

Conversions

Conversions Part 1

Format	Color
Hex	66CCA0
RGB	102, 204, 160
RGB Percent	40%, 80%, 63%
CMY	0.6000, 0.2000, 0.3725
CMYK	0.50, 0.00, 0.22, 0.20
HSL	154°, 50%, 60%
HSV	154°, 50%, 80%
XYZ	33.4175, 48.5486, 40.8672
YIQ	168.4860, -46.6680, -35.3080

Conversions

Conversions Part 2

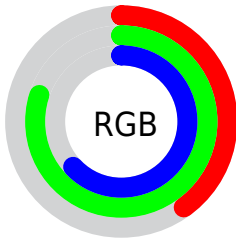
Format	Color
RYB	102, 167, 204
Decimal	6737056
CIELab	75.17, -40.08, 12.92
CIElCh	75, 42.107, 162.129
Yxy	48.5486, 0.2721, 0.3952
Android (android.graphics.Color)	4284927136 (0xFF66CCA0)
YUV	168.4860, -4.1836, -58.3082
Hunter-Lab	69.6768, -36.3246, 13.9987

Details

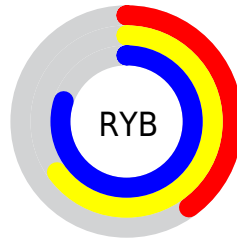
The XYZ color **33.4175, 48.5486, 40.8672** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.8431, 24.4165, 30.0723**, and the grayscale version is **37.4959, 39.4486, 42.9595**.

A 20% lighter version of the original color is **62.3238, 83.7972, 77.1797**, and **14.3687, 23.0490, 17.8790** is the 20% darker color. If you saturate the color by 10%, you get **30.6412, 47.2045, 36.8603**, and if you desaturate by 10%, it is **36.8198, 50.2117, 45.1900**.

Distribution



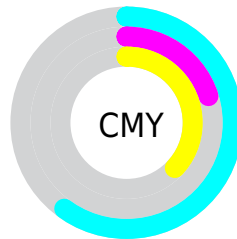
- Red (40%)
- Green (80%)
- Blue (63%)



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



- Cyan (50%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4175, 48.5486, 40.8672 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 33.4175, 48.5486, 40.8672 by changing the saturation by 10% instead.

■ 33.4175, 48.5486,
40.8672

■ 33.4175, 48.5486,
40.8672

309.1587,
380.9625, 365.4255

■ 22.6072, 34.2615,
27.8964

■ 64.3771, 88.0207,
77.7337

■ 14.4229, 23.0946,
18.0092

■ 85.2572, 113.9744,
102.4666

■ 8.4990, 14.6634,
10.7871

■ 110.2246,
144.5859, 131.9572

■ 4.4704, 8.5835,
5.8115

■ 139.6446,
180.2395, 166.6241

■ 1.9715, 4.4705,
2.6639

173.8827,
221.3195, 206.8858

■ 0.6179, 1.9401,
0.9252

213.3042,

■ 0.0000, 0.5723,

268.2105, 253.1609

0.0000

258.2744,
321.2967, 305.8680

■ 0.0000, 0.0000,
0.0000

■ 33.4175, 48.5486,
40.8672

■ 33.4175, 48.5486,
40.8672

■ 30.6412, 47.2045,
36.8603

■ 36.8198, 50.2117,
45.1900

■ 28.4433, 46.1511,
33.1582

■ 40.8834, 52.2080,
49.8329

■ 26.7755, 45.3650,
29.7535


■ 45.6455, 54.5579,
54.8043


■ 25.5794, 44.8160,
26.6373


■ 51.1395, 57.2783,
60.1110


■ 24.7461, 44.4485,
23.7980

■ 57.3963, 60.3853,
65.7596

 24.7461, 44.4485,
23.7979

 64.4452, 63.8937,
71.7568

 72.3138, 67.8177,
78.1087

 77.1737, 70.1835,
84.6409

 78.4442, 70.6917,
91.3312

Harmonies

Analogous

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



36.8921, 48.5486, 27.2006



33.4175, 48.5486, 40.8672



33.1083, 48.5486, 62.2986

Triad

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



33.4175, 48.5486, 40.8672



49.3312, 48.5486, 106.2198



58.0420, 48.5486, 29.1790

Complementary

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



33.4175, 48.5486, 40.8672



34.8431, 24.4165, 30.0723

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.



62.2180, 48.5486, 44.4285



33.4175, 48.5486, 40.8672



56.8262, 48.5486, 91.0397

Square

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



33.4175, 48.5486, 40.8672



41.7401, 48.5486, 104.4755



61.7498, 48.5486, 66.9984



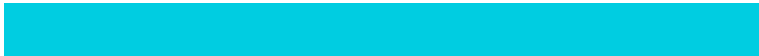
50.8472, 48.5486, 21.8623

Rectangle

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



33.4175, 48.5486, 40.8672



34.6880, 48.5486, 78.8247



61.7498, 48.5486, 66.9984



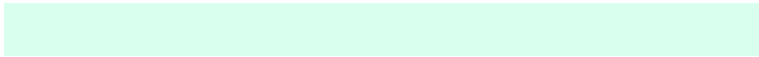
59.8796, 48.5486, 33.3347

Sweetspot

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



33.4188, 48.5506, 40.8683



79.8071, 92.4359, 94.9098



35.8823, 50.2765, 20.3841



16.6734, 19.5828, 19.9162



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.



33.4188, 48.5506, 40.8683



50.4246, 78.0188, 60.5444



36.3918, 47.2098, 64.3235



11.3308, 12.6421, 13.2994



15.6223, 27.9942, 15.2281



0.8435, 1.4592, 0.9836

Inverse Universe

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



34.8431, 24.4165, 30.0723



53.0595, 33.5900, 40.7338



32.7488, 24.6924, 15.6110



11.4099, 11.2927, 12.6930



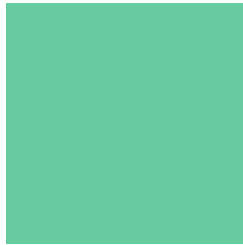
16.8270, 8.5414, 6.8079



0.9059, 0.4558, 0.5503

Previews

White Background



This preview shows how the XYZ color 33.4175, 48.5486, 40.8672 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 33.4175, 48.5486, 40.8672 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

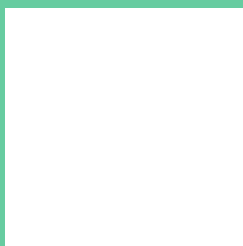
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4175, 48.5486, 40.8672

Background



This preview shows how black text looks on a background with the XYZ color 33.4175, 48.5486, 40.8672.



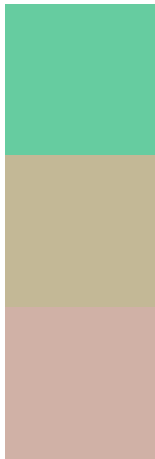
This preview shows how white text looks on a background with the XYZ color 33.4175, 48.5486,

40.8672.

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

33.4175, 48.5486, 40.8672

Protanopia

45.1512, 48.0851, 35.7558

Deuteranopia

48.6175, 47.6074, 42.7031



Tritanopia

39.3126, 48.5185, 70.2438

Trichromacy



Original Color

33.4175, 48.5486, 40.8672



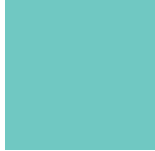
Protanomaly

39.1615, 47.1718, 37.6129



Deuteranomaly

40.8333, 46.6560, 41.9753



Tritanomaly

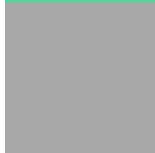
37.0740, 48.6483, 58.4750

Monochromacy



Original Color

33.4175, 48.5486, 40.8672



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.8170, 41.6937, 41.8099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4175, 48.5486, 40.8672 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(102, 204, 160)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 160)  
}
```

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(102, 204, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.4175, 48.5486, 40.8672 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(102, 204, 160) }
```


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

```
.border{ border-color:rgb(102, 204, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 204, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 204, 160); box-shadow:4px 4px 4px 4px rgb(102, 204, 160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4175, 48.5486, 40.8672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 160) }
```

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

```
.background{ background-color: rgb(102,  
204, 160) }
```

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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