

Converting Colors

XYZ(34.7330, 48.5035, 48.6854)

Have a look what the booklet for
XYZ(34.7330, 48.5035, 48.6854)
contains.

| | |
|--|----|
| XYZ(34.6659, 48.3187, 48.5737) | 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(34.6659, 48.3187,
48.5737)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 68CAB0 |
| RGB | 104, 202, 176 |
| RGB Percent | 41%, 79%, 69% |
| CMY | 0.5921, 0.2078, 0.3098 |
| CMYK | 0.49, 0.00, 0.13, 0.21 |
| HSL | 164°, 48%, 60% |
| HSV | 164°, 49%, 79% |
| XYZ | 34.6659, 48.3187, 48.5737 |
| YIQ | 169.7340, -50.0620, -28.8620 |

Conversions

Conversions Part 2

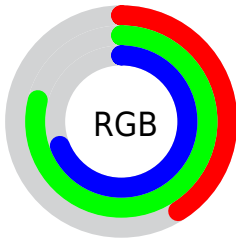
| Format | Color |
|-------------------------------------|--|
| RYB | 104, 160, 202 |
| Decimal | 6867632 |
| CIELab | 75.03, -35.11, 4.12 |
| CIELCh | 75, 35.354, 173.305 |
| Yxy | 48.3187, 0.2635, 0.3673 |
| Android (android.graphics.Color) | 4285057712 (0xFF68CAB0) |
| YUV | 169.7340, 3.0891, -57.6487 |
| Hunter-Lab | 69.5117, -32.6263, 7.2272 |

Details

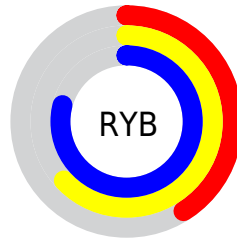
The XYZ color **34.6659, 48.3187, 48.5737** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.3383, 24.0701, 24.0096**, and the grayscale version is **38.0801, 40.0633, 43.6289**.

A 20% lighter version of the original color is **65.0234, 84.9233, 89.3087**, and **15.1105, 22.8581, 22.6844** is the 20% darker color. If you saturate the color by 10%, you get **32.0765, 47.0451, 45.7394**, and if you desaturate by 10%, it is **37.8406, 49.8940, 51.5468**.

Distribution



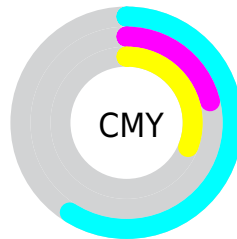
- Red (41%)
- Green (79%)
- Blue (69%)



- Red (41%)
- Yellow (63%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (13%)
- Black (21%)





- Cyan (59%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6659, 48.3187, 48.5737 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 34.6659, 48.3187, 48.5737 by changing the saturation by 10% instead.


 34.6659, 48.3187,
48.5737


 34.6659, 48.3187,
48.5737


314.6251,
380.0540, 397.6358


 23.5709, 34.0793,
33.9182


 66.3053, 87.6787,
89.4324


 15.1387, 22.9546,
22.5539

 87.5805, 113.5682,
116.4727

 9.0037, 14.5600,
14.0623


 112.9797,
144.1098, 148.4783

 4.8007, 8.5111,
8.0248

 142.8684,
179.6880, 185.8679

 2.1644, 4.4237,
4.0228

177.6120,
220.6871, 229.0599

 0.7239, 1.9133,
1.6379

217.5757,

 0.0000, 0.5564,

267.4915, 278.4728

0.3176

263.1250,
320.4857, 334.5253

■ 0.0000, 0.0000,
0.0000

■ 34.6659, 48.3187,
48.5737

■ 34.6659, 48.3187,
48.5737

■ 32.0765, 47.0451,
45.7394

■ 37.8406, 49.8940,
51.5468

■ 30.0272, 46.0463,
43.0375

■ 41.6334, 51.7844,
54.6583

■ 28.4730, 45.3004,
40.4655


■ 46.0795, 54.0090,
57.9121

■ 27.3591, 44.7792,
38.0196


■ 51.2103, 56.5841,
61.3109


■ 26.6000, 44.4385,
35.6946


■ 57.0551, 59.5248,
64.8572

 26.4990, 44.3938,
35.3585

 63.6415, 62.8452,
68.5535

 70.9954, 66.5587,
72.4021

 75.1316, 68.6108,
76.2175

 75.8483, 68.8975,
79.9915

Harmonies

Analogous

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



36.6728, 48.3187, 34.0965



34.6659, 48.3187, 48.5737



35.4412, 48.3187, 67.9683

Triad

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



34.6659, 48.3187, 48.5737



51.0143, 48.3187, 92.4867



53.7506, 48.3187, 28.9413

Complementary

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



34.6659, 48.3187, 48.5737



33.3383, 24.0701, 24.0096

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.



58.2969, 48.3187, 39.7607



34.6659, 48.3187, 48.5737



56.6166, 48.3187, 76.8451

Square

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



34.6659, 48.3187, 48.5737



44.4933, 48.3187, 96.4133



59.3920, 48.3187, 56.8657



47.3881, 48.3187, 24.6097

Rectangle

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



34.6659, 48.3187, 48.5737



37.4706, 48.3187, 80.9595



59.3920, 48.3187, 56.8657



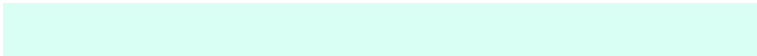
55.5652, 48.3187, 31.7981

Sweetspot

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



34.6673, 48.3206, 48.5748



80.7598, 92.8169, 99.9262



32.8471, 47.9989, 20.6310



16.9035, 19.6749, 21.1283



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.



34.6673, 48.3206, 48.5748



54.1989, 79.5974, 77.3095



32.5179, 39.5027, 61.7903



11.4113, 12.6742, 13.7231



17.0896, 28.5811, 22.9546



0.9120, 1.4866, 1.3439

Inverse Universe

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



33.3383, 24.0701, 24.0096



51.7230, 33.8822, 31.1474



34.4295, 28.7017, 16.8228



11.3325, 11.2617, 12.2856



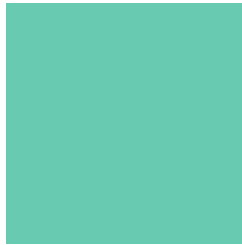
16.1277, 8.2617, 3.1253



0.8642, 0.4391, 0.3306

Previews

White Background



This preview shows how the XYZ color 34.6659, 48.3187, 48.5737 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 34.6659, 48.3187, 48.5737 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 34.6659, 48.3187, 48.5737

Background



This preview shows how black text looks on a background with the XYZ color 34.6659, 48.3187, 48.5737.

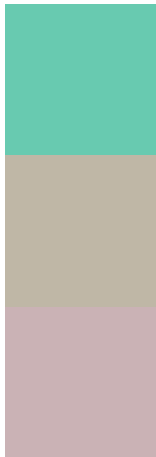


This preview shows how white text looks on a background with the XYZ color 34.6659, 48.3187,

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

34.6659, 48.3187, 48.5737

Protanopia

45.3023, 47.6965, 42.8951

Deuteranopia

48.6180, 47.7335, 50.3671



Tritanopia

39.0467, 48.3814, 70.2314

Trichromacy



Original Color

34.6659, 48.3187, 48.5737



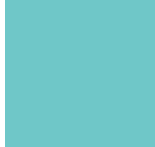
Protanomaly

39.9672, 47.1001, 45.0149



Deuteranomaly

41.6329, 46.9023, 49.5066



Tritanomaly

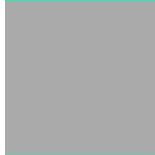
37.4043, 48.3965, 62.0136

Monochromacy



Original Color

34.6659, 48.3187, 48.5737



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.0284, 42.5454, 45.3429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6659, 48.3187, 48.5737 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(104, 202, 176)` looks like.

```
.text, #text, p{  
    color:rgb(104, 202, 176)  
}
```

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(104, 202, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 202, 176) }
```

Border

The CSS property to change the border of an element to XYZ 34.6659, 48.3187, 48.5737 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(104, 202, 176) }
```


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

```
.border{ border-color:rgb(104, 202, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 202, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 202, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 202, 176); box-shadow:4px 4px 4px 4px rgb(104, 202, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6659, 48.3187, 48.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 202, 176) }
```

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

```
.background{ background-color: rgb(104,  
202, 176) }
```

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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