

Converting Colors

XYZ(33.8923, 47.9686, 44.5617)

Have a look what the booklet for
XYZ(33.8923, 47.9686, 44.5617)
contains.

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Color

**XYZ(33.8973, 48.0113,
44.5263)**

Conversions

Conversions Part 1

Format	Color
Hex	68CAA8
RGB	104, 202, 168
RGB Percent	41%, 79%, 66%
CMY	0.5921, 0.2078, 0.3412
CMYK	0.49, 0.00, 0.17, 0.21
HSL	159°, 48%, 60%
HSV	159°, 49%, 79%
XYZ	33.8973, 48.0113, 44.5263
YIQ	168.8220, -47.4940, -31.3500

Conversions

Conversions Part 2

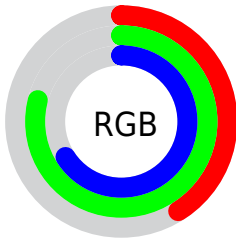
Format	Color
RYB	104, 163, 202
Decimal	6867624
CIELab	74.83, -36.94, 8.16
CIELCh	75, 37.829, 167.549
Yxy	48.0113, 0.2681, 0.3797
Android (android.graphics.Color)	4285057704 (0xFF68CAA8)
YUV	168.8220, -0.4052, -56.8489
Hunter-Lab	69.2902, -33.9342, 10.4030

Details

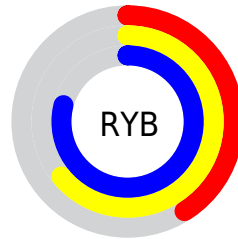
The XYZ color **33.8973, 48.0113, 44.5263** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.8964, 24.2933, 26.9490**, and the grayscale version is **37.6439, 39.6043, 43.1291**.

A 20% lighter version of the original color is **63.7772, 84.4248, 82.7462**, and **14.6683, 22.6863, 20.1288** is the 20% darker color. If you saturate the color by 10%, you get **31.1923, 46.6915, 41.0833**, and if you desaturate by 10%, it is **37.2018, 49.6386, 48.1832**.

Distribution



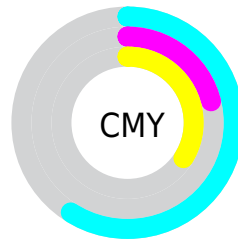
- Red (41%)
- Green (79%)
- Blue (66%)



- Red (41%)
- Yellow (64%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)





- Cyan (59%)
- Magenta (21%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8973, 48.0113, 44.5263 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 33.8973, 48.0113, 44.5263 by changing the saturation by 10% instead.

 33.8973, 48.0113,
44.5263


 33.8973, 48.0113,
44.5263


311.2679,
378.8369, 380.9557


 22.9772, 33.8358,
30.7442


 65.1193, 87.2212,
83.3200


 14.6973, 22.7675,
20.1473


 86.1519, 113.0245,
109.1688

 8.6921, 14.4219,
12.3171


 111.2861,
143.4725, 139.8768

 4.5964, 8.4147,
6.8348

 140.8872,
178.9495, 175.8627

 2.0448, 4.3614,
3.2821

175.3206,
219.8401, 217.5450

 0.6589, 1.8777,
1.2404

214.9516,

 0.0000, 0.5349,

266.5286, 265.3423

0.0122

260.1455,
319.3994, 319.6730

■ 0.0000, 0.0000,
0.0000

■ 33.8973, 48.0113,
44.5263

■ 33.8973, 48.0113,
44.5263

■ 31.1923, 46.6915,
41.0833

■ 37.2018, 49.6386,
48.1832

■ 29.0414, 45.6521,
37.8461

■ 41.1390, 51.5866,
52.0552

■ 27.3991, 44.8709,
34.8106


■ 45.7444, 53.8750,
56.1477


■ 26.2106, 44.3198,
31.9714


■ 51.0496, 56.5199,
60.4649


■ 25.3897, 43.9545,
29.3211


■ 57.0842, 59.5365,
65.0109

 25.2806, 43.9065,
28.9426

 63.8761, 62.9391,
69.7895

 71.4515, 66.7412,
74.8044

 75.8255, 68.8885,
79.8716

 76.7964, 69.2768,
84.9842

Harmonies

Analogous

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



36.5527, 48.0113, 30.6491



33.8973, 48.0113, 44.5263



34.1476, 48.0113, 64.5503

Triad

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



33.8973, 48.0113, 44.5263



49.7389, 48.0113, 97.3528



55.1562, 48.0113, 29.0105

Complementary

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



33.8973, 48.0113, 44.5263



33.8964, 24.2933, 26.9490

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.



59.4427, 48.0113, 41.6657



33.8973, 48.0113, 44.5263



56.1055, 48.0113, 82.2407

Square

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



33.8973, 48.0113, 44.5263



42.8403, 48.0113, 98.6787



59.8066, 48.0113, 60.8768



48.5451, 48.0113, 23.3240

Rectangle

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



33.8973, 48.0113, 44.5263



35.9290, 48.0113, 78.9284



59.8066, 48.0113, 60.8768



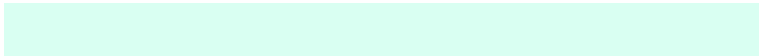
56.9444, 48.0113, 32.4212

Sweetspot

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



33.8986, 48.0132, 44.5274



80.2873, 92.6280, 97.4385



34.1516, 48.6715, 20.6919



16.7892, 19.6292, 20.5264



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.



33.8986, 48.0132, 44.5274



52.6968, 78.9965, 69.3995



34.2051, 42.8772, 62.3528



11.3715, 12.6583, 13.5137



16.3105, 28.2695, 18.8519



0.8764, 1.4724, 1.1565

Inverse Universe

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



33.8964, 24.2933, 26.9490



52.7155, 34.2792, 36.3734



33.4184, 26.6796, 16.4856



11.3703, 11.2769, 12.4848



16.4248, 8.3805, 4.6896



0.8830, 0.4466, 0.4297

Previews

White Background



This preview shows how the XYZ color 33.8973, 48.0113, 44.5263 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 33.8973, 48.0113, 44.5263 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

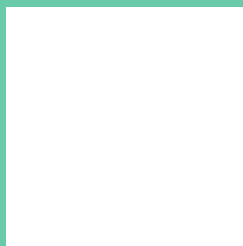
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8973, 48.0113, 44.5263

Background



This preview shows how black text looks on a background with the XYZ color 33.8973, 48.0113, 44.5263.

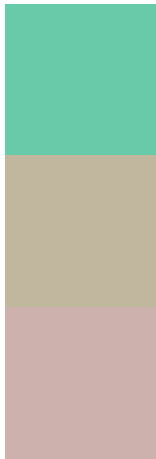


This preview shows how white text looks on a background with the XYZ color 33.8973, 48.0113,

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

33.8973, 48.0113, 44.5263

Protanopia

44.8433, 47.5421, 39.1608

Deuteranopia

48.1668, 47.2988, 46.1261



Tritanopia

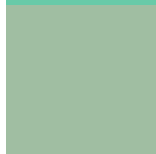
38.8261, 47.9463, 69.4956

Trichromacy



Original Color

33.8973, 48.0113, 44.5263



Protanomaly

39.4322, 46.9091, 41.1585



Deuteranomaly

41.0580, 46.3829, 45.3169



Tritanomaly

36.8400, 47.8184, 59.5128

Monochromacy



Original Color

33.8973, 48.0113, 44.5263



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.3624, 41.9321, 43.7660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8973, 48.0113, 44.5263 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(104, 202, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 202, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.8973, 48.0113, 44.5263 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, 168) }
```


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

```
.border{ border-color:rgb(104, 202, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 202, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 202, 168);  
box-shadow:4px 4px 4px 4px rgb(104, 202,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8973, 48.0113, 44.5263 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, 168) }
```

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

```
.background{ background-color: rgb(104,  
202, 168) }
```

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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