

Converting Colors

XYZ(34.4113, 48.0841, 48.2207)

Have a look what the booklet for
XYZ(34.4113, 48.0841, 48.2207)
contains.

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Color

**XYZ(34.4519, 48.2198,
48.0490)**

Conversions

Conversions Part 1

Format	Color
Hex	67CAAF
RGB	103, 202, 175
RGB Percent	40%, 79%, 69%
CMY	0.5961, 0.2078, 0.3137
CMYK	0.49, 0.00, 0.13, 0.21
HSL	164°, 48%, 60%
HSV	164°, 49%, 79%
XYZ	34.4519, 48.2198, 48.0490
YIQ	169.3210, -50.3370, -29.3850

Conversions

Conversions Part 2

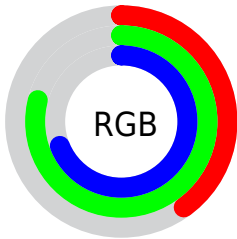
Format	Color
RYB	103, 160, 202
Decimal	6802095
CIELab	74.96, -35.58, 4.57
CIELCh	75, 35.874, 172.686
Yxy	48.2198, 0.2636, 0.3689
Android (android.graphics.Color)	4284992175 (0xFF67CAAF)
YUV	169.3210, 2.7997, -58.1635
Hunter-Lab	69.4405, -32.9606, 7.5829

Details

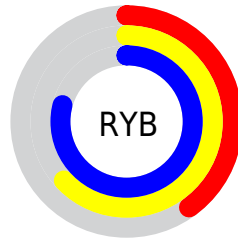
The XYZ color **34.4519, 48.2198, 48.0490** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.2382, 23.8700, 23.9763**, and the grayscale version is **37.8766, 39.8491, 43.3957**.

A 20% lighter version of the original color is **64.5401, 84.7068, 87.8113**, and **15.0051, 22.8111, 22.3510** is the 20% darker color. If you saturate the color by 10%, you get **31.8790, 46.9559, 45.1620**, and if you desaturate by 10%, it is **37.6093, 49.7849, 51.0808**.

Distribution



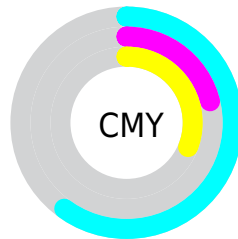
- Red (40%)
- Green (79%)
- Blue (69%)



- Red (40%)
- Yellow (63%)
- Blue (79%)



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





- Cyan (60%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4519, 48.2198, 48.0490 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 34.4519, 48.2198, 48.0490 by changing the saturation by 10% instead.


 34.4519, 48.2198,
48.0490


 34.4519, 48.2198,
48.0490


313.6930,
379.6627, 395.5006


 23.4055, 34.0010,
33.5054


 65.9754, 87.5316,
88.6437


 15.0156, 22.8944,
22.2396

 87.1833, 113.3933,
115.5318

 8.9167, 14.5155,
13.8331


 112.5090,
143.9048, 147.3720

 4.7436, 8.4801,
7.8672

 142.3179,
179.4505, 184.5826

 2.1308, 4.4036,
3.9236

176.9754,
220.4147, 227.5822

 0.7059, 1.9018,
1.5835

216.8469,

 0.0000, 0.5495,

267.1819, 276.7894

0.2790

262.2976,
320.1364, 332.6227

■ 0.0000, 0.0000,
0.0000

■ 34.4519, 48.2198,
48.0490

■ 34.4519, 48.2198,
48.0490

■ 31.8790, 46.9559,
45.1620

■ 37.6093, 49.7849,
51.0808

■ 29.8452, 45.9662,
42.4130

■ 41.3842, 51.6646,
54.2570

■ 28.3051, 45.2285,
39.7997


■ 45.8121, 53.8782,
57.5817


■ 27.2035, 44.7143,
37.3181


■ 50.9243, 56.4420,
61.0577


■ 26.4486, 44.3766,
34.9624


■ 56.7504, 59.3712,
64.6875

 26.3806, 44.3465,
34.7353

 63.3179, 62.6798,
68.4738

 70.6530, 66.3815,
72.4189

 75.1579, 68.6214,
76.3558

 75.8958, 68.9165,
80.2417

Harmonies

Analogous

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



36.5366, 48.2198, 33.5519



34.4519, 48.2198, 48.0490



35.1770, 48.2198, 67.6607

Triad

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



34.4519, 48.2198, 48.0490



50.8566, 48.2198, 93.2525



53.8880, 48.2198, 28.7456

Complementary

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



34.4519, 48.2198, 48.0490



33.2382, 23.8700, 23.9763

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.



58.4455, 48.2198, 39.7974



34.4519, 48.2198, 48.0490



56.5825, 48.2198, 77.5108

Square

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



34.4519, 48.2198, 48.0490



44.2486, 48.2198, 96.9589



59.4758, 48.2198, 57.2244



47.4516, 48.2198, 24.2624

Rectangle

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



34.4519, 48.2198, 48.0490



37.1922, 48.2198, 80.9137



59.4758, 48.2198, 57.2244



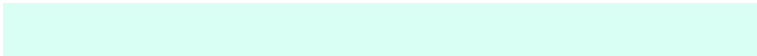
55.7146, 48.2198, 31.6688

Sweetspot

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



34.4533, 48.2217, 48.0501



80.7165, 92.7996, 99.6983



32.9380, 48.0516, 20.3716



16.8930, 19.6707, 21.0730



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.



34.4533, 48.2217, 48.0501



53.6662, 79.3494, 76.0826



32.6882, 40.0146, 61.8801



11.4076, 12.6728, 13.7039



17.0140, 28.5509, 22.5565



0.9086, 1.4852, 1.3260

Inverse Universe

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



33.2382, 23.8700, 23.9763



51.4019, 33.3341, 30.7500



34.0710, 28.0655, 16.4542



11.3359, 11.2631, 12.3036



16.1512, 8.2711, 3.2488



0.8657, 0.4397, 0.3389

Previews

White Background



This preview shows how the XYZ color 34.4519, 48.2198, 48.0490 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 34.4519, 48.2198, 48.0490 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 34.4519, 48.2198, 48.0490

Background



This preview shows how black text looks on a background with the XYZ color 34.4519, 48.2198, 48.0490.

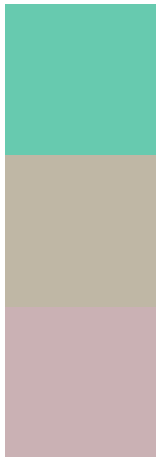


This preview shows how white text looks on a background with the XYZ color 34.4519, 48.2198,

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

34.4519, 48.2198, 48.0490

Protanopia

45.2109, 47.6600, 42.4137

Deuteranopia

48.3175, 47.2961, 49.7625



Tritanopia

38.9159, 48.3140, 70.2252

Trichromacy



Original Color

34.4519, 48.2198, 48.0490



Protanomaly

39.8730, 47.0624, 44.5185



Deuteranomaly

41.3207, 46.4392, 48.9053



Tritanomaly

37.1626, 48.2854, 61.3942

Monochromacy



Original Color

34.4519, 48.2198, 48.0490



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.5516, 42.0078, 44.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4519, 48.2198, 48.0490 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, 202, 175)` looks like.

```
.text, #text, p{  
    color:rgb(103, 202, 175)  
}
```

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, 202, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 202, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.4519, 48.2198, 48.0490 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, 202, 175) }
```


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

```
.border{ border-color:rgb(103, 202, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 202, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 202, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 202, 175);  
box-shadow:4px 4px 4px 4px rgb(103, 202,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4519, 48.2198, 48.0490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 202, 175) }
```

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

```
.background{ background-color: rgb(103,  
202, 175) }
```

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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