

Converting Colors

XYZ(33.4492, 48.9899, 49.5259)

Have a look what the booklet for
XYZ(33.4492, 48.9899, 49.5259)
contains.

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Color

**XYZ(33.4868, 49.1108,
49.3094)**

Conversions

Conversions Part 1

Format	Color
Hex	52CEB1
RGB	82, 206, 177
RGB Percent	32%, 81%, 69%
CMY	0.6784, 0.1921, 0.3059
CMYK	0.60, 0.00, 0.14, 0.19
HSL	166°, 56%, 56%
HSV	166°, 60%, 81%
XYZ	33.4868, 49.1108, 49.3094
YIQ	165.6180, -64.5950, -35.3070

Conversions

Conversions Part 2

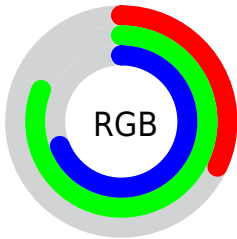
Format	Color
RYB	82, 152, 206
Decimal	5426865
CIELab	75.52, -41.34, 4.21
CIELCh	76, 41.556, 174.190
Yxy	49.1108, 0.2539, 0.3723
Android (android.graphics.Color)	4283616945 (0xFF52CEB1)
YUV	165.6180, 5.6113, -73.3330
Hunter-Lab	70.0791, -37.3435, 7.3374

Details

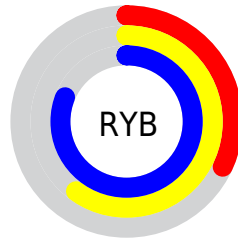
The XYZ color **33.4868, 49.1108, 49.3094** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **31.3418, 20.3054, 17.3081**, and the grayscale version is **36.0586, 37.9364, 41.3128**.

A 20% lighter version of the original color is **61.6233, 83.1540, 89.8932**, and **14.7047, 23.5885, 22.8468** is the 20% darker color. If you saturate the color by 10%, you get **31.4856, 48.1349, 46.7537**, and if you desaturate by 10%, it is **36.0453, 50.3745, 51.9819**.

Distribution



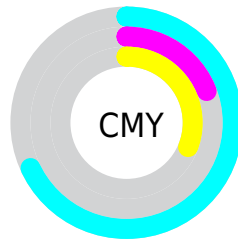
- Red (32%)
- Green (81%)
- Blue (69%)



- Red (32%)
- Yellow (60%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (19%)



- Cyan (68%)
- Magenta (19%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4868, 49.1108, 49.3094 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 33.4868, 49.1108, 49.3094 by changing the saturation by 10% instead.

■ 33.4868, 49.1108,
49.3094

■ 33.4868, 49.1108,
49.3094

309.4640,
383.1784, 400.6165

■ 22.6606, 34.7074,
34.4976

■ 64.4844, 88.8560,
90.5365

■ 14.4624, 23.4376,
22.9957

■ 85.3866, 114.9666,
117.7890

■ 8.5268, 14.9169,
14.3851

■ 110.3781,
145.7483, 150.0255

■ 4.4885, 8.7611,
8.2472

■ 139.8244,
181.5856, 187.6645

■ 1.9820, 4.5857,
4.1635

174.0908,
222.8629, 231.1245

■ 0.6238, 2.0063,
1.7155

213.5426,

■ 0.0000, 0.6111,

269.9645, 280.8242

0.3713

258.5452,
323.2748, 337.1820

■ 0.0000, 0.0000,
0.0000

■ 33.4868, 49.1108,
49.3094

■ 33.4868, 49.1108,
49.3094

■ 31.4856, 48.1349,
46.7537

■ 36.0453, 50.3745,
51.9819

■ 29.9877, 47.4152,
44.3081

■ 39.2008, 51.9428,
54.7706

■ 28.9351, 46.9233,
41.9701

■ 42.9940, 53.8378,
57.6795

■ 28.2284, 46.6068,
39.7757

■ 47.4609, 56.0781,
60.7111

■ 52.6347, 58.6807,
63.8678

■ 58.5463, 61.6617,
67.1518

■ 65.2250, 65.0361,
70.5654

■ 72.6981, 68.8179,
74.1107

■ 76.2788, 70.5910,
77.5690

Harmonies

Analogous

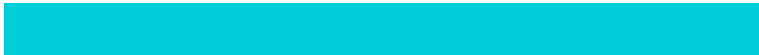
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.7082, 49.1108, 32.3675



33.4868, 49.1108, 49.3094



34.4736, 49.1108, 72.7200

Triad

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



33.4868, 49.1108, 49.3094



52.9876, 49.1108, 102.0107



55.8525, 49.1108, 26.0085

Complementary

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



33.4868, 49.1108, 49.3094



31.3418, 20.3054, 17.3081

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.



61.4692, 49.1108, 37.9629



33.4868, 49.1108, 49.3094



59.6924, 49.1108, 82.1972

Square

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



33.4868, 49.1108, 49.3094



45.2008, 49.1108, 107.4778



62.9460, 49.1108, 57.8653



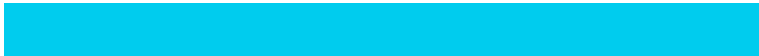
48.1877, 49.1108, 21.4932

Rectangle

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



33.4868, 49.1108, 49.3094



36.8797, 49.1108, 88.6580



62.9460, 49.1108, 57.8653



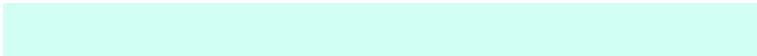
58.0749, 49.1108, 29.1002

Sweetspot

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



33.4882, 49.1127, 49.3105



78.4521, 91.6376, 99.3517



30.4059, 48.2645, 15.6969



16.2965, 19.3653, 20.9487



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.



33.4882, 49.1127, 49.3105



50.2790, 77.6312, 74.6603



29.9518, 36.9118, 63.9408



11.4267, 12.6804, 13.8043



17.4205, 28.7135, 24.6970



0.9267, 1.4925, 1.4214

Inverse Universe

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



31.3418, 20.3054, 17.3081



46.5755, 27.0402, 18.7862



32.8833, 25.5428, 11.1806



11.3181, 11.2560, 12.2095



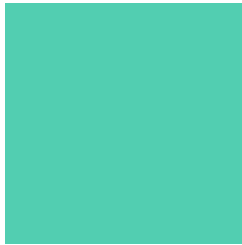
16.0359, 8.2249, 2.6416



0.8576, 0.4364, 0.2959

Previews

White Background



This preview shows how the XYZ color 33.4868, 49.1108, 49.3094 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 33.4868, 49.1108, 49.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

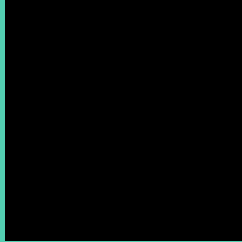
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

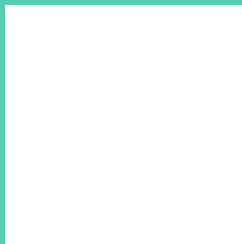
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4868, 49.1108, 49.3094

Background



This preview shows how black text looks on a background with the XYZ color 33.4868, 49.1108, 49.3094.

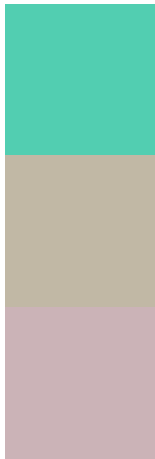


This preview shows how white text looks on a background with the XYZ color 33.4868, 49.1108,

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

33.4868, 49.1108, 49.3094

Protanopia

45.9243, 48.3350, 42.5064

Deuteranopia

49.2959, 48.3556, 51.5351



Tritanopia

38.1084, 48.8597, 73.0680

Trichromacy



Original Color

33.4868, 49.1108, 49.3094



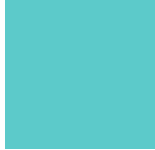
Protanomaly

39.1479, 47.3362, 44.6096



Deuteranomaly

40.8362, 47.1023, 50.6554



Tritanomaly

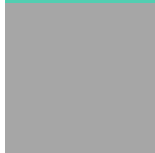
36.1948, 48.7806, 63.3851

Monochromacy



Original Color

33.4868, 49.1108, 49.3094



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.7712, 41.1009, 44.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4868, 49.1108, 49.3094 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(82, 206, 177)` looks like.

```
.text, #text, p{  
    color:rgb(82, 206, 177)  
}
```

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(82, 206, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 206, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.4868, 49.1108, 49.3094 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(82, 206, 177) }
```


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

```
.border{ border-color:rgb(82, 206, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 206, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 206, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 206, 177);  
box-shadow:4px 4px 4px 4px rgb(82, 206,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4868, 49.1108, 49.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 206, 177) }
```

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

```
.background{ background-color: rgb(82, 206,  
177) }
```

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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