

Converting Colors

XYZ(33.0367, 50.7250, 45.0302)

Have a look what the booklet for
XYZ(33.0367, 50.7250, 45.0302)
contains.

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Color

**XYZ(33.1098, 50.8322,
45.1123)**

Conversions

Conversions Part 1

Format	Color
Hex	49D3A8
RGB	73, 211, 168
RGB Percent	29%, 83%, 66%
CMY	0.7137, 0.1725, 0.3412
CMYK	0.65, 0.00, 0.20, 0.17
HSL	161°, 61%, 56%
HSV	161°, 65%, 83%
XYZ	33.1098, 50.8322, 45.1123
YIQ	164.8360, -68.4450, -42.6290

Conversions

Conversions Part 2

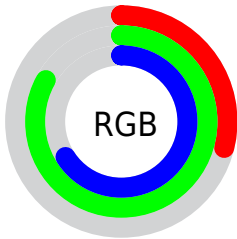
Format	Color
RYB	73, 155, 211
Decimal	4838312
CIELab	76.58, -47.23, 10.52
CIElCh	77, 48.386, 167.446
Yxy	50.8322, 0.2566, 0.3939
Android (android.graphics.Color)	4283028392 (0xFF49D3A8)
YUV	164.8360, 1.5599, -80.5402
Hunter-Lab	71.2967, -41.8748, 12.3925

Details

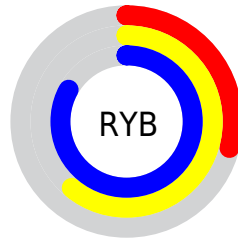
The XYZ color **33.1098, 50.8322, 45.1123** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **32.4006, 19.8762, 18.6537**, and the grayscale version is **35.7032, 37.5625, 40.9056**.

A 20% lighter version of the original color is **59.2326, 82.0820, 82.5336**, and **14.8737, 24.7036, 20.5074** is the 20% darker color. If you saturate the color by 10%, you get **31.1771, 49.9062, 41.9055**, and if you desaturate by 10%, it is **35.6184, 52.0541, 48.5100**.

Distribution



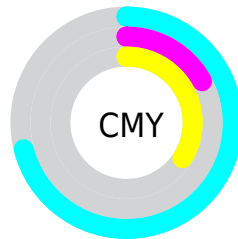
- Red (29%)
- Green (83%)
- Blue (66%)



- Red (29%)
- Yellow (61%)
- Blue (83%)



- Cyan (65%)
- Magenta (0%)
- Yellow (20%)
- Black (17%)





- Cyan (71%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1098, 50.8322, 45.1123 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 33.1098, 50.8322, 45.1123 by changing the saturation by 10% instead.

 33.1098, 50.8322,
45.1123


 33.1098, 50.8322,
45.1123


307.8005,
389.9115, 383.4016

 22.3702, 36.0751,
31.2023


 63.9004, 91.4067,
84.2091

 14.2473, 24.4922,
20.4932


 84.6822, 117.9928,
110.2331

 8.3757, 15.6991,
12.5664

 109.5421,
149.2908, 141.1320

 4.3901, 9.3115,
7.0035

 138.8454,
185.6850, 177.3246

 1.9251, 4.9449,
3.3858

172.9576,
227.5597, 219.2293

 0.5914, 2.2150,
1.2948

212.2439,

 0.0000, 0.7281,

275.2995, 267.2647

0.0576

257.0697,
329.2886, 321.8492

■ 0.0000, 0.0000,
0.0000

■ 33.1098, 50.8322,
45.1123

■ 33.1098, 50.8322,
45.1123

■ 31.1771, 49.9062,
41.9055

■ 35.6184, 52.0541,
48.5100

■ 29.7583, 49.2402,
38.8809

■ 38.7485, 53.5915,
52.0998

■ 28.7839, 48.7999,
36.0341

■ 42.5459, 55.4693,
55.8870

■ 28.4255, 48.6425,
34.7812

■ 47.0507, 57.7080,
59.8759

■ 52.2998, 60.3266,
64.0703

■ 58.3275, 63.3427,
68.4739

■ 65.1658, 66.7730,
73.0904

■ 72.8452, 70.6328,
77.9233

■ 78.4248, 73.4062,
82.8369

Harmonies

Analogous

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



36.4898, 50.8322, 27.8093



33.1098, 50.8322, 45.1123



33.4125, 50.8322, 71.8514

Triad

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



33.1098, 50.8322, 45.1123



53.7776, 50.8322, 118.5914



61.2015, 50.8322, 25.9329

Complementary

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



33.1098, 50.8322, 45.1123



32.4006, 19.8762, 18.6537

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.



67.0955, 50.8322, 41.5869



33.1098, 50.8322, 45.1123



62.4520, 50.8322, 96.8428

Square

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



33.1098, 50.8322, 45.1123



44.5942, 50.8322, 120.4493



67.5800, 50.8322, 67.0246



52.2361, 50.8322, 19.3205

Rectangle

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



33.1098, 50.8322, 45.1123



35.6613, 50.8322, 91.9388



67.5800, 50.8322, 67.0246



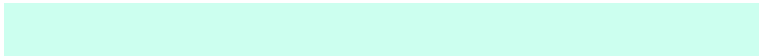
63.6542, 50.8322, 30.0379

Sweetspot

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



33.1112, 50.8342, 45.1135



76.2578, 90.5957, 95.2125



31.7943, 50.8329, 14.4401



15.8411, 19.1513, 19.9902



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.



33.1112, 50.8342, 45.1135



47.0245, 76.2148, 62.6968



32.0029, 41.1131, 67.8793



11.9950, 13.3418, 14.3301



17.2021, 29.3738, 21.2422



0.9967, 1.6563, 1.3712

Inverse Universe

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



32.4006, 19.8762, 18.6537



45.9337, 25.4079, 19.6474



32.4640, 23.1229, 9.0562



11.9583, 11.8681, 13.0562



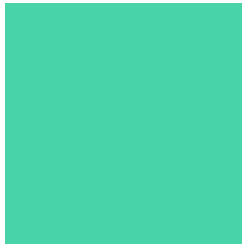
16.8423, 8.6098, 4.0756



0.9773, 0.4956, 0.4153

Previews

White Background



This preview shows how the XYZ color 33.1098, 50.8322, 45.1123 looks on a white background.

Color Contrast Check

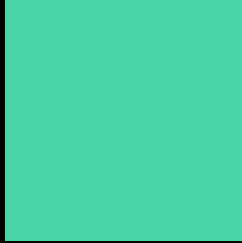
Large Text (above 18pt) WCAG AA × Fail

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 33.1098, 50.8322, 45.1123 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

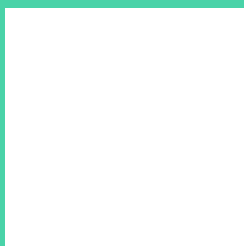
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1098, 50.8322, 45.1123

Background



This preview shows how black text looks on a background with the XYZ color 33.1098, 50.8322, 45.1123.



This preview shows how white text looks on a background with the XYZ color 33.1098, 50.8322,

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

33.1098, 50.8322, 45.1123

Protanopia

47.0598, 49.9467, 38.6129

Deuteranopia

50.8401, 49.8445, 47.4988



Tritanopia

39.1272, 50.7327, 75.4403

Trichromacy



Original Color

33.1098, 50.8322, 45.1123



Protanomaly

39.2220, 48.7902, 40.6079



Deuteranomaly

40.7932, 48.1514, 46.1738



Tritanomaly

36.6932, 50.8211, 63.1339

Monochromacy



Original Color

33.1098, 50.8322, 45.1123



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.1266, 41.1146, 42.2663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1098, 50.8322, 45.1123 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(73, 211, 168)` looks like.

```
.text, #text, p{  
    color:rgb(73, 211, 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(73, 211, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 211, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.1098, 50.8322, 45.1123 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(73, 211, 168) }
```


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

```
.border{ border-color:rgb(73, 211, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 211, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 211, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 211, 168);  
box-shadow:4px 4px 4px 4px rgb(73, 211,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1098, 50.8322, 45.1123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 211, 168) }
```

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

```
.background{ background-color: rgb(73, 211,  
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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