

Converting Colors

XYZ(33.2147, 51.0846, 41.1324)

Have a look what the booklet for
XYZ(33.2147, 51.0846, 41.1324)
contains.

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Color

**XYZ(33.1196, 50.9307,
40.8859)**

Conversions

Conversions Part 1

Format	Color
Hex	53D39F
RGB	83, 211, 159
RGB Percent	33%, 83%, 62%
CMY	0.6745, 0.1725, 0.3765
CMYK	0.61, 0.00, 0.25, 0.17
HSL	156°, 59%, 58%
HSV	156°, 61%, 83%
XYZ	33.1196, 50.9307, 40.8859
YIQ	166.8000, -59.5960, -43.3080

Conversions

Conversions Part 2

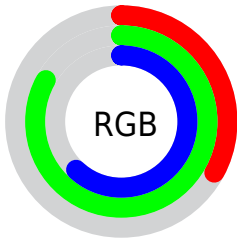
Format	Color
RYB	83, 163, 211
Decimal	5493663
CIELab	76.64, -47.45, 15.43
CIELCh	77, 49.897, 161.987
Yxy	50.9307, 0.2651, 0.4077
Android (android.graphics.Color)	4283683743 (0xFF53D39F)
YUV	166.8000, -3.8454, -73.4926
Hunter-Lab	71.3657, -42.0513, 15.9884

Details

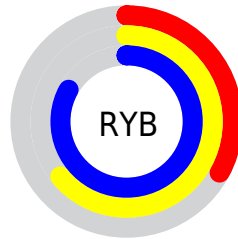
The XYZ color **33.1196, 50.9307, 40.8859** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **34.3322, 21.7860, 25.3195**, and the grayscale version is **36.6735, 38.5833, 42.0172**.

A 20% lighter version of the original color is **59.2253, 82.2147, 76.3658**, and **14.3752, 24.5042, 17.8821** is the 20% darker color. If you saturate the color by 10%, you get **30.8154, 49.8272, 37.0293**, and if you desaturate by 10%, it is **36.0445, 52.3509, 45.0431**.

Distribution



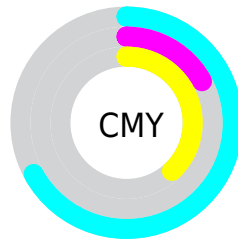
- Red (33%)
- Green (83%)
- Blue (62%)



- Red (33%)
- Yellow (64%)
- Blue (83%)



- Cyan (61%)
- Magenta (0%)
- Yellow (25%)
- Black (17%)





- Cyan (67%)
- Magenta (17%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1196, 50.9307, 40.8859 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 33.1196, 50.9307, 40.8859 by changing the saturation by 10% instead.


 33.1196, 50.9307,
40.8859


 33.1196, 50.9307,
40.8859


307.8438,
390.2945, 365.5060


 22.3778, 36.1535,
27.9109


 63.9156, 91.5523,
77.7624

 14.2529, 24.5527,
18.0201

 84.7005, 118.1655,
102.5011

 8.3796, 15.7441,
10.7948


 109.5638,
149.4928, 131.9980

 4.3927, 9.3433,
5.8166

 138.8709,
185.9186, 166.6718

 1.9266, 4.9658,
2.6669

172.9871,
227.8272, 206.9409

 0.5922, 2.2272,
0.9267

212.2777,

 0.0000, 0.7348,

275.6032, 253.2240

0.0000

257.1082,
329.6308, 305.9395

■ 0.0000, 0.0000,
0.0000

■ 33.1196, 50.9307,
40.8859

■ 33.1196, 50.9307,
40.8859

■ 30.8154, 49.8272,
37.0293

■ 36.0445, 52.3509,
45.0431

■ 29.0735, 49.0064,
33.4618

■ 39.6335, 54.1061,
49.5050

■ 27.8310, 48.4372,
30.1761

■ 43.9309, 56.2202,
54.2797

■ 27.0147, 48.0781,
27.3521

■ 48.9755, 58.7133,
59.3741

■ 54.8036, 61.6038,
64.7948

■ 61.4488, 64.9091,
70.5479

■ 68.9429, 68.6454,
76.6398

■ 77.3157, 72.8279,
83.0762

■ 79.6977, 73.9153,
89.5400

Harmonies

Analogous

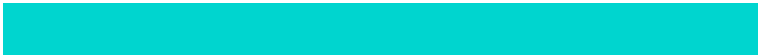
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2545, 50.9307, 25.0997



33.1196, 50.9307, 40.8859



32.7377, 50.9307, 66.9651

Triad

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



33.1196, 50.9307, 40.8859



52.2760, 50.9307, 123.4140



63.1888, 50.9307, 27.4464

Complementary

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



33.1196, 50.9307, 40.8859



34.3322, 21.7860, 25.3195

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.



68.4184, 50.9307, 45.3454



33.1196, 50.9307, 40.8859



61.5914, 50.9307, 103.7513

Square

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



33.1196, 50.9307, 40.8859



43.0104, 50.9307, 121.0195



67.7985, 50.9307, 73.1290



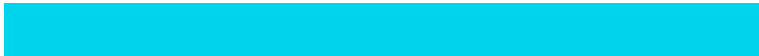
54.2395, 50.9307, 19.2588

Rectangle

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



33.1196, 50.9307, 40.8859



34.5897, 50.9307, 87.7946



67.7985, 50.9307, 73.1290



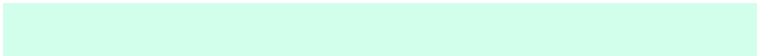
65.4893, 50.9307, 32.2278

Sweetspot

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



33.1210, 50.9327, 40.8871



77.2744, 91.1665, 93.1497



35.0649, 52.4774, 16.4656



16.0075, 19.2497, 19.4267



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.



33.1210, 50.9327, 40.8871



46.3781, 76.0495, 55.0809



36.0584, 48.0073, 68.9962



11.9466, 13.3224, 14.0753



16.3547, 29.0348, 16.7800



0.9533, 1.6390, 1.1425

Inverse Universe

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



34.3322, 21.7860, 25.3195



48.4294, 27.5260, 29.3374



32.4000, 22.4210, 10.8045



12.0050, 11.8867, 13.3019



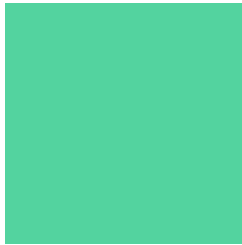
17.2673, 8.7797, 6.3135



1.0044, 0.5065, 0.5579

Previews

White Background



This preview shows how the XYZ color 33.1196, 50.9307, 40.8859 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 33.1196, 50.9307, 40.8859 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

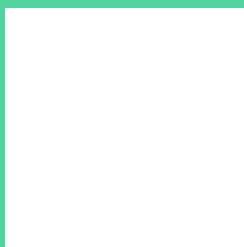
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1196, 50.9307, 40.8859

Background



This preview shows how black text looks on a background with the XYZ color 33.1196, 50.9307, 40.8859.

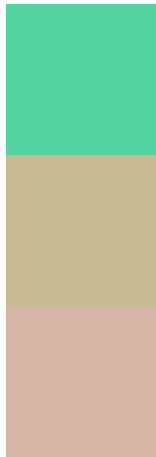


This preview shows how white text looks on a background with the XYZ color 33.1196, 50.9307,

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

33.1196, 50.9307, 40.8859

Protanopia

46.9350, 49.9581, 35.1861

Deuteranopia

51.1384, 50.0971, 43.0508



Tritanopia

39.8510, 50.7694, 74.7169

Trichromacy



Original Color

33.1196, 50.9307, 40.8859



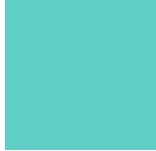
Protanomaly

39.3121, 48.9150, 37.0753



Deuteranomaly

41.1864, 48.4506, 41.8315



Tritanomaly

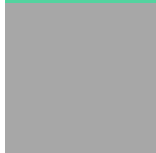
36.9732, 50.6606, 60.6531

Monochromacy



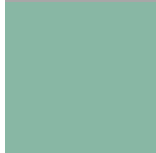
Original Color

33.1196, 50.9307, 40.8859



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.7877, 41.7815, 41.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1196, 50.9307, 40.8859 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(83, 211, 159)` looks like.

```
.text, #text, p{  
    color:rgb(83, 211, 159)  
}
```

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(83, 211, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 211, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.1196, 50.9307, 40.8859 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(83, 211, 159) }
```


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

```
.border{ border-color:rgb(83, 211, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 211, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 211, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 211, 159);  
box-shadow:4px 4px 4px 4px rgb(83, 211,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1196, 50.9307, 40.8859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 211, 159) }
```

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

```
.background{ background-color: rgb(83, 211,  
159) }
```

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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