

Converting Colors

XYZ(33.1329, 49.0932, 43.8050)

Have a look what the booklet for
XYZ(33.1329, 49.0932, 43.8050)
contains.

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Color

**XYZ(33.0741, 49.0196,
43.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	59CEA6
RGB	89, 206, 166
RGB Percent	35%, 81%, 65%
CMY	0.6510, 0.1921, 0.3490
CMYK	0.57, 0.00, 0.19, 0.19
HSL	159°, 54%, 58%
HSV	159°, 57%, 81%
XYZ	33.0741, 49.0196, 43.7949
YIQ	166.4570, -56.8920, -37.2440

Conversions

Conversions Part 2

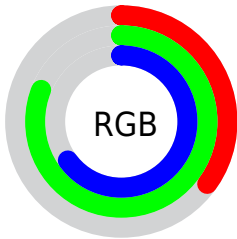
Format	Color
RYB	89, 160, 206
Decimal	5885606
CIELab	75.46, -42.55, 10.06
CIElCh	75, 43.728, 166.696
Yxy	49.0196, 0.2627, 0.3894
Android (android.graphics.Color)	4284075686 (0xFF59CEA6)
YUV	166.4570, -0.2253, -67.9298
Hunter-Lab	70.0140, -38.2024, 11.9229

Details

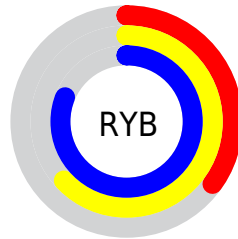
The XYZ color **33.0741, 49.0196, 43.7949** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **32.9901, 21.8529, 23.2502**, and the grayscale version is **36.4888, 38.3891, 41.8057**.

A 20% lighter version of the original color is **61.0239, 83.0364, 81.2179**, and **14.2419, 23.4193, 19.6893** is the 20% darker color. If you saturate the color by 10%, you get **30.7387, 47.8895, 40.4055**, and if you desaturate by 10%, it is **36.0006, 50.4528, 47.3989**.

Distribution



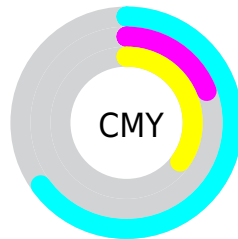
- Red (35%)
- Green (81%)
- Blue (65%)



- Red (35%)
- Yellow (63%)
- Blue (81%)



- Cyan (57%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (65%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0741, 49.0196, 43.7949 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 33.0741, 49.0196, 43.7949 by changing the saturation by 10% instead.


 33.0741, 49.0196,
43.7949


 33.0741, 49.0196,
43.7949


307.6426,
382.8195, 377.8875


 22.3427, 34.6350,
30.1733


 63.8451, 88.7206,
82.2082


 14.2270, 23.3819,
19.7170


 84.6154, 114.8057,
107.8370

 8.3614, 14.8757,
12.0075


 109.4628,
145.5599, 138.3052

 4.3808, 8.7322,
6.6262

 138.7526,
181.3675, 174.0315

 1.9198, 4.5669,
3.1545

172.8501,
222.6128, 215.4343

 0.5883, 1.9955,
1.1741

212.1207,

 0.0000, 0.6048,

269.6803, 262.9322

0.0000

256.9297,
322.9544, 316.9438

■ 0.0000, 0.0000,
0.0000

■ 33.0741, 49.0196,
43.7949

■ 33.0741, 49.0196,
43.7949

■ 30.7387, 47.8895,
40.4055

■ 36.0006, 50.4528,
47.3989

■ 28.9424, 47.0321,
37.2221

■ 39.5567, 52.2052,
51.2188

■ 27.6305, 46.4204,
34.2401

■ 43.7822, 54.2984,
55.2605

■ 26.7298, 46.0169,
31.4532

■ 48.7124, 56.7507,
59.5283

■ 26.4856, 45.9097,
30.5986

■ 54.3801, 59.5788,
64.0264

■ 60.8159, 62.7985,
68.7589

■ 68.0488, 66.4246,
73.7298

■ 76.1060, 70.4713,
78.9427

■ 77.5096, 71.0832,
84.0502

Harmonies

Analogous

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



36.1954, 49.0196, 28.3455



33.0741, 49.0196, 43.7949



33.2635, 49.0196, 67.1737

Triad

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



33.0741, 49.0196, 43.7949



51.1893, 49.0196, 108.1992



58.0545, 49.0196, 27.1439

Complementary

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



33.0741, 49.0196, 43.7949



32.9901, 21.8529, 23.2502

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.



63.0752, 49.0196, 41.6069



33.0741, 49.0196, 43.7949



58.8093, 49.0196, 89.9861

Square

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



33.0741, 49.0196, 43.7949



43.1144, 49.0196, 109.2927



63.3664, 49.0196, 64.2570



50.2510, 49.0196, 20.7759

Rectangle

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



33.0741, 49.0196, 43.7949



35.2335, 49.0196, 84.5465



63.3664, 49.0196, 64.2570



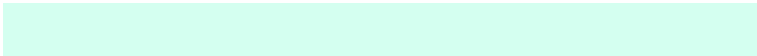
60.1610, 49.0196, 30.9948

Sweetspot

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



33.0754, 49.0216, 43.7960



78.5653, 91.7670, 96.1493



33.0743, 49.6078, 17.2842



16.4503, 19.4597, 20.2731



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.



33.0754, 49.0216, 43.7960



49.1364, 77.2685, 64.3791



33.3415, 42.7410, 64.8873



11.3739, 12.6593, 13.5266



16.3555, 28.2875, 19.0887



0.8785, 1.4732, 1.1675

Inverse Universe

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



32.9901, 21.8529, 23.2502



49.0264, 29.1541, 28.1978



32.4692, 24.2663, 12.4247



11.3680, 11.2759, 12.4724



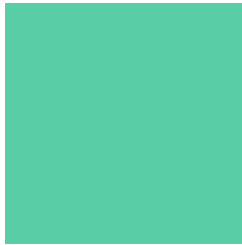
16.4038, 8.3721, 4.5792



0.8817, 0.4461, 0.4230

Previews

White Background



This preview shows how the XYZ color 33.0741, 49.0196, 43.7949 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 33.0741, 49.0196, 43.7949 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

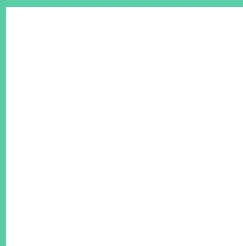
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0741, 49.0196, 43.7949

Background



This preview shows how black text looks on a background with the XYZ color 33.0741, 49.0196, 43.7949.

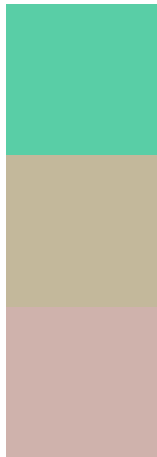


This preview shows how white text looks on a background with the XYZ color 33.0741, 49.0196,

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

33.0741, 49.0196, 43.7949

Protanopia

45.5626, 48.2496, 37.9221

Deuteranopia

49.0989, 48.0847, 45.7232



Tritanopia

38.5149, 48.7564, 71.6710

Trichromacy



Original Color

33.0741, 49.0196, 43.7949



Protanomaly

38.8179, 47.2704, 39.8791



Deuteranomaly

40.5488, 46.7612, 44.9189



Tritanomaly

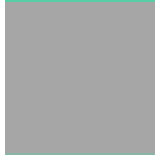
36.3442, 48.9249, 60.3512

Monochromacy



Original Color

33.0741, 49.0196, 43.7949



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.8880, 41.2042, 42.2435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0741, 49.0196, 43.7949 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(89, 206, 166)` looks like.

```
.text, #text, p{  
    color:rgb(89, 206, 166)  
}
```

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(89, 206, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 206, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.0741, 49.0196, 43.7949 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(89, 206, 166) }
```


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

```
.border{ border-color:rgb(89, 206, 166) }
```

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

Here you see how a box with a 4 pixel rgb(89, 206, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 206, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 206, 166);  
box-shadow:4px 4px 4px 4px rgb(89, 206,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0741, 49.0196, 43.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 206, 166) }
```

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

```
.background{ background-color: rgb(89, 206,  
166) }
```

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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