

Converting Colors

XYZ(33.3693, 49.8912, 43.9476)

Have a look what the booklet for
XYZ(33.3693, 49.8912, 43.9476)
contains.

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Color

**XYZ(33.3693, 49.8912,
43.9476)**

Conversions

Conversions Part 1

Format	Color
Hex	57D0A6
RGB	87, 208, 166
RGB Percent	34%, 82%, 65%
CMY	0.6588, 0.1843, 0.3490
CMYK	0.58, 0.00, 0.20, 0.18
HSL	159°, 56%, 58%
HSV	159°, 58%, 82%
XYZ	33.3693, 49.8912, 43.9476
YIQ	167.0330, -58.6340, -38.7140

Conversions

Conversions Part 2

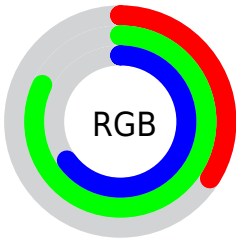
Format	Color
RYB	87, 160, 208
Decimal	5755046
CIELab	76.00, -43.83, 10.82
CIELCh	76, 45.150, 166.134
Yxy	49.8912, 0.2623, 0.3922
Android (android.graphics.Color)	4283945126 (0xFF57D0A6)
YUV	167.0330, -0.5093, -70.1889
Hunter-Lab	70.6337, -39.2807, 12.5539

Details

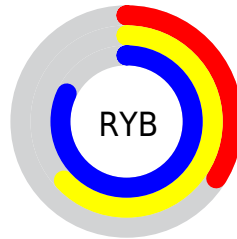
The XYZ color **33.3693, 49.8912, 43.9476** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **33.3847, 21.8125, 23.2214**, and the grayscale version is **36.7707, 38.6857, 42.1287**.

A 20% lighter version of the original color is **60.6652, 82.8515, 81.2012**, and **14.4285, 23.9974, 19.7911** is the 20% darker color. If you saturate the color by 10%, you get **31.0563, 48.7745, 40.4791**, and if you desaturate by 10%, it is **36.2816, 51.3151, 47.6405**.

Distribution



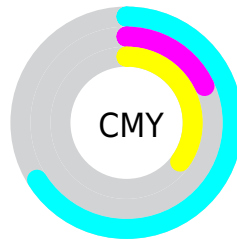
- Red (34%)
- Green (82%)
- Blue (65%)



- Red (34%)
- Yellow (63%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3693, 49.8912, 43.9476 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 33.3693, 49.8912, 43.9476 by changing the saturation by 10% instead.


 33.3693, 49.8912,
43.9476


 33.3693, 49.8912,
43.9476


308.9462,
386.2403, 378.5295


 22.5701, 35.3270,
30.2924


 64.3025, 90.0137,
82.4405


 14.3953, 23.9148,
19.8067


 85.1672, 116.3407,
108.1154

 8.4797, 15.2705,
12.0719


 110.1178,
147.3574, 138.6338

 4.4578, 9.0094,
6.6696

 139.5196,
183.4482, 174.4144

 1.9642, 4.7473,
3.1810

173.7380,
224.9975, 215.8758

 0.6137, 2.0998,
1.1878

213.1383,

 0.0000, 0.6645,

272.3897, 263.4364

0.0000

258.0859,
326.0092, 317.5148

■ 0.0000, 0.0000,
0.0000

■ 33.3693, 49.8912,
43.9476

■ 33.3693, 49.8912,
43.9476

■ 31.0563, 48.7745,
40.4791

■ 36.2816, 51.3151,
47.6405

■ 29.2884, 47.9333,
37.2261

■ 39.8334, 53.0631,
51.5594

■ 28.0081, 47.3393,
34.1836

■ 44.0659, 55.1575,
55.7104

■ 27.1284, 46.9477,
31.3443

■ 49.0158, 57.6173,
60.0982

■ 26.9866, 46.8855,
30.8459

■ 54.7169, 60.4598,
64.7272

■ 61.2009, 63.7012,
69.6017

■ 68.4977, 67.3570,
74.7259

■ 76.6355, 71.4416,
80.1038

■ 78.2184, 72.1422,
85.3920

Harmonies

Analogous

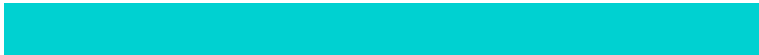
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.6750, 49.8912, 28.1019



33.3693, 49.8912, 43.9476



33.5008, 49.8912, 68.2599

Triad

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



33.3693, 49.8912, 43.9476



52.0649, 49.8912, 112.1768



59.5529, 49.8912, 27.2733

Complementary

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



33.3693, 49.8912, 43.9476



33.3847, 21.8125, 23.2214

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.



64.7428, 49.8912, 42.4254



33.3693, 49.8912, 43.9476



60.0823, 49.8912, 93.2249

Square

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



33.3693, 49.8912, 43.9476



43.6435, 49.8912, 112.9494



64.9472, 49.8912, 66.2150



51.4085, 49.8912, 20.5867

Rectangle

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



33.3693, 49.8912, 43.9476



35.5049, 49.8912, 86.5242



64.9472, 49.8912, 66.2150



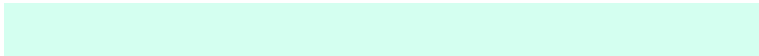
61.7410, 49.8912, 31.3040

Sweetspot

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



33.3707, 49.8932, 43.9488



78.5317, 91.7535, 95.9720



33.3843, 50.4966, 17.0048



16.4423, 19.4565, 20.2311



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.



33.3707, 49.8932, 43.9488



48.4103, 76.9290, 62.7719



33.6982, 43.3442, 66.2671



11.9768, 13.3345, 14.2342



16.8660, 29.2393, 19.4722



0.9797, 1.6495, 1.2818

Inverse Universe

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



33.3847, 21.8125, 23.2214



48.4800, 28.3464, 27.1365



32.8011, 24.2331, 11.9662



11.9757, 11.8750, 13.1480



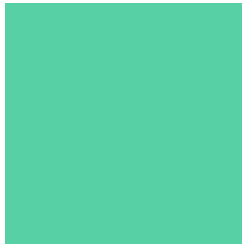
16.9869, 8.6676, 4.8370



0.9869, 0.4995, 0.4657

Previews

White Background



This preview shows how the XYZ color 33.3693, 49.8912, 43.9476 looks on a white background.

Color Contrast Check

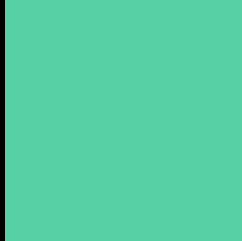
Large Text (above 18pt) WCAG AA × Fail

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 33.3693, 49.8912, 43.9476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

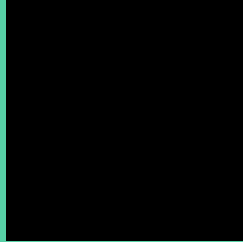
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

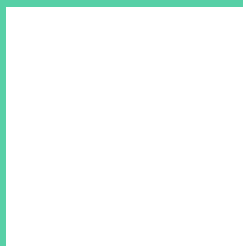
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3693, 49.8912, 43.9476

Background



This preview shows how black text looks on a background with the XYZ color 33.3693, 49.8912, 43.9476.

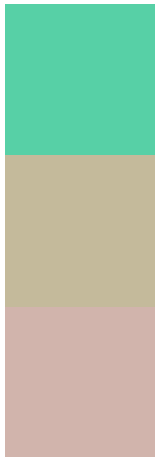


This preview shows how white text looks on a background with the XYZ color 33.3693, 49.8912,

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

33.3693, 49.8912, 43.9476

Protanopia

46.2403, 49.2201, 38.0737

Deuteranopia

50.0621, 49.1764, 45.8832



Tritanopia

39.1199, 49.7261, 73.1819

Trichromacy



Original Color

33.3693, 49.8912, 43.9476



Protanomaly

39.2601, 48.1547, 40.0264



Deuteranomaly

41.1862, 47.7285, 45.0720



Tritanomaly

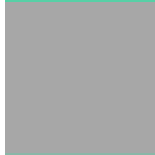
36.8229, 49.8596, 61.1092

Monochromacy



Original Color

33.3693, 49.8912, 43.9476



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.1842, 41.6492, 42.7966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3693, 49.8912, 43.9476 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(87, 208, 166)` looks like.

```
.text, #text, p{  
    color:rgb(87, 208, 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(87, 208, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 208, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.3693, 49.8912, 43.9476 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(87, 208, 166) }
```


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

```
.border{ border-color:rgb(87, 208, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 208, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 208, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 208, 166);  
box-shadow:4px 4px 4px 4px rgb(87, 208,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3693, 49.8912, 43.9476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 208, 166) }
```

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

```
.background{ background-color: rgb(87, 208,  
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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