

Converting Colors

XYZ(33.9748, 45.9900, 59.9096)

Have a look what the booklet for
XYZ(33.9748, 45.9900, 59.9096)
contains.

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Color

**XYZ(33.9748, 45.9900,
59.9096)**

Conversions

Conversions Part 1

Format	Color
Hex	57C5C5
RGB	87, 197, 197
RGB Percent	34%, 77%, 77%
CMY	0.6588, 0.2274, 0.2274
CMYK	0.56, 0.00, 0.00, 0.23
HSL	180°, 49%, 56%
HSV	180°, 56%, 77%
XYZ	33.9748, 45.9900, 59.9096
YIQ	164.1100, -65.5600, -23.3200

Conversions

Conversions Part 2

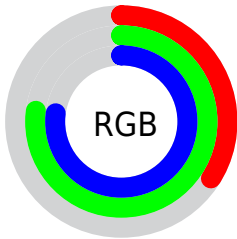
Format	Color
RYB	87, 142, 197
Decimal	5752261
CIELab	73.54, -31.10, -9.51
CIELCh	74, 32.517, 197.003
Yxy	45.9900, 0.2429, 0.3288
Android (android.graphics.Color)	4283942341 (0xFF57C5C5)
YUV	164.1100, 16.2148, -67.6255
Hunter-Lab	67.8159, -29.2520, -4.9065

Details

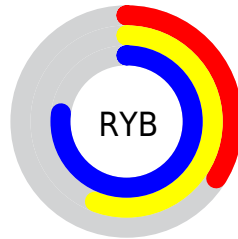
The XYZ color **33.9748, 45.9900, 59.9096** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.1560, 19.3763, 11.2744**, and the grayscale version is **35.2879, 37.1256, 40.4298**.

A 20% lighter version of the original color is **65.3638, 84.2424, 106.5813**, and **14.7804, 21.6281, 29.3822** is the 20% darker color. If you saturate the color by 10%, you get **32.3809, 45.1694, 59.8358**, and if you desaturate by 10%, it is **36.0733, 47.0729, 60.0090**.

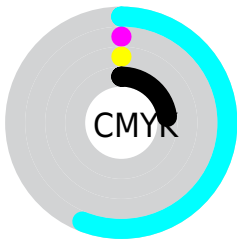
Distribution



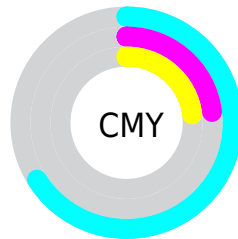
- Red (34%)
- Green (77%)
- Blue (77%)



- Red (34%)
- Yellow (56%)
- Blue (77%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (66%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9748, 45.9900, 59.9096 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 33.9748, 45.9900, 59.9096 by changing the saturation by 10% instead.

■ 33.9748, 45.9900,
59.9096

■ 33.9748, 45.9900,
59.9096

311.6076,
370.7684, 442.0599

■ 23.0370, 32.2379,
42.9210

■ 65.2390, 84.2040,
106.2406

■ 14.7417, 21.5433,
29.4922

■ 86.2962, 109.4348,
136.4200

■ 8.7234, 13.5217,
19.2047

■ 111.4572,
139.2606, 171.8335

■ 4.6169, 7.7888,
11.6400

■ 141.0875,
174.0657, 212.8995

■ 2.0567, 3.9601,
6.3795

175.5523,
214.2347, 260.0366

■ 0.6655, 1.6513,
3.0047

215.2170,

■ 0.0000, 0.3918,

260.1519, 313.6633

1.0970

260.4470,
312.2017, 374.1982

■ 0.0000, 0.0000,
0.0000

■ 33.9748, 45.9900,
59.9096

■ 33.9748, 45.9900,
59.9096

■ 32.3809, 45.1694,
59.8358

■ 36.0733, 47.0729,
60.0090

■ 31.2455, 44.5840,
59.7825

■ 38.7095, 48.4319,
60.1326

■ 30.5214, 44.2107,
59.7484

■ 41.9183, 50.0861,
60.2830

■ 30.1477, 44.0181,
59.7307

■ 45.7307, 52.0514,
60.4616

■ 30.0450, 43.9652,
59.7258

■ 50.1755, 54.3428,
60.6698

■ 55.2795, 56.9740,
60.9089

■ 61.0680, 59.9581,
61.1800

■ 67.5651, 63.3074,
61.4843

■ 71.2855, 65.2254,
61.6586

Harmonies

Analogous

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



33.8061, 45.9900, 43.2904



33.9748, 45.9900, 59.9096



36.6019, 45.9900, 76.9664

Triad

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



33.9748, 45.9900, 59.9096



52.3011, 45.9900, 74.9026



46.2444, 45.9900, 25.1384

Complementary

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



33.9748, 45.9900, 59.9096



28.1560, 19.3763, 11.2744

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.



51.6882, 45.9900, 30.3146



33.9748, 45.9900, 59.9096



55.3857, 45.9900, 57.5344

Square

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



33.9748, 45.9900, 59.9096



47.0231, 45.9900, 86.8391



55.1520, 45.9900, 41.3808



40.5603, 45.9900, 25.5016

Rectangle

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



33.9748, 45.9900, 59.9096



39.5360, 45.9900, 85.2156



55.1520, 45.9900, 41.3808



48.1724, 45.9900, 26.2303

Sweetspot

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



33.9762, 45.9918, 59.9107



80.8605, 92.6850, 108.2353



25.7919, 42.7381, 15.9079



16.9970, 19.6784, 23.1523



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.



33.9762, 45.9918, 59.9107



57.4791, 80.6316, 107.1392



23.9581, 25.9552, 56.5724



10.9468, 12.0676, 13.6698



19.7613, 28.9169, 39.2830



0.9357, 1.3692, 1.8601

Inverse Universe

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



28.1560, 19.3763, 11.2744



46.0282, 28.2665, 11.4490



34.1504, 31.3652, 13.2722



10.6339, 10.6370, 11.0555



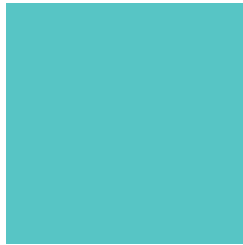
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 33.9748, 45.9900, 59.9096 looks on a white background.

Color Contrast Check

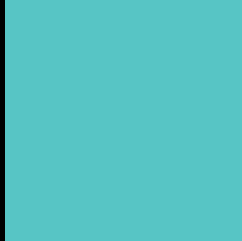
Large Text (above 18pt) WCAG AA × Fail

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 33.9748, 45.9900, 59.9096 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

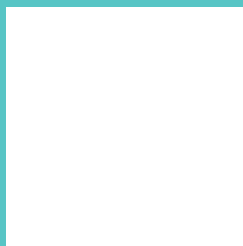
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9748, 45.9900, 59.9096

Background



This preview shows how black text looks on a background with the XYZ color 33.9748, 45.9900, 59.9096.

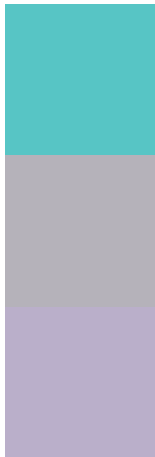


This preview shows how white text looks on a background with the XYZ color 33.9748, 45.9900,

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

33.9748, 45.9900, 59.9096

Protanopia

43.8394, 45.2097, 52.8701

Deuteranopia

46.2403, 45.3633, 62.1960



Tritanopia

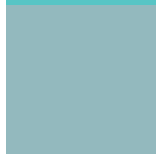
35.6866, 46.0087, 68.6277

Trichromacy



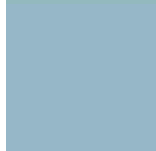
Original Color

33.9748, 45.9900, 59.9096



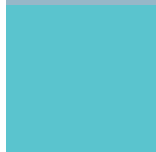
Protanomaly

38.6758, 44.6187, 55.2890



Deuteranomaly

39.9365, 44.5211, 61.1321



Tritanomaly

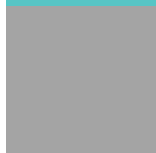
35.0970, 46.1097, 65.4428

Monochromacy



Original Color

33.9748, 45.9900, 59.9096



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.5151, 39.4195, 46.9166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9748, 45.9900, 59.9096 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, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(87, 197, 197)  
}
```

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, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 197, 197) }
```

Border

The CSS property to change the border of an element to XYZ 33.9748, 45.9900, 59.9096 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, 197, 197) }
```


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

```
.border{ border-color:rgb(87, 197, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(87, 197,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9748, 45.9900, 59.9096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 197, 197) }
```

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

```
.background{ background-color: rgb(87, 197,  
197) }
```

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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