

Converting Colors

XYZ(33.9181, 49.1295, 49.8253)

Have a look what the booklet for
XYZ(33.9181, 49.1295, 49.8253)
contains.

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Color

**XYZ(33.7977, 48.9032,
49.7774)**

Conversions

Conversions Part 1

Format	Color
Hex	57CDB2
RGB	87, 205, 178
RGB Percent	34%, 80%, 70%
CMY	0.6588, 0.1961, 0.3020
CMYK	0.58, 0.00, 0.13, 0.20
HSL	166°, 54%, 57%
HSV	166°, 58%, 80%
XYZ	33.7977, 48.9032, 49.7774
YIQ	166.6400, -61.6610, -33.4130

Conversions

Conversions Part 2

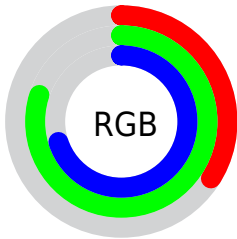
Format	Color
RYB	87, 154, 205
Decimal	5754290
CIELab	75.39, -39.70, 3.50
CIELCh	75, 39.850, 174.961
Yxy	48.9032, 0.2551, 0.3691
Android (android.graphics.Color)	4283944370 (0xFF57CDB2)
YUV	166.6400, 5.6005, -69.8443
Hunter-Lab	69.9308, -36.1096, 6.7484

Details

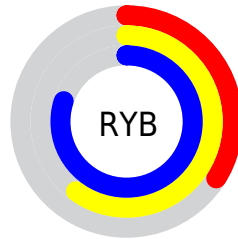
The XYZ color **33.7977, 48.9032, 49.7774** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **31.6240, 21.0118, 18.3104**, and the grayscale version is **36.5519, 38.4555, 41.8780**.

A 20% lighter version of the original color is **62.4653, 83.5715, 90.6805**, and **14.6080, 23.2934, 23.1282** is the 20% darker color. If you saturate the color by 10%, you get **31.6859, 47.8693, 47.2625**, and if you desaturate by 10%, it is **36.4717, 50.2276, 52.4048**.

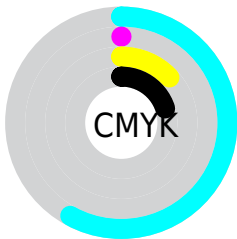
Distribution



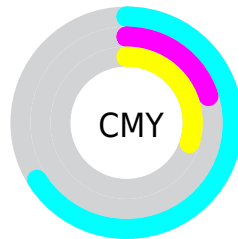
- Red (34%)
- Green (80%)
- Blue (70%)



- Red (34%)
- Yellow (60%)
- Blue (80%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)




- Cyan (66%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7977, 48.9032, 49.7774 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 33.7977, 48.9032, 49.7774 by changing the saturation by 10% instead.


 33.7977, 48.9032,
49.7774


 33.7977, 48.9032,
49.7774


310.8309,
382.3611, 402.5049


 22.9004, 34.5427,
34.8666


 64.9653, 88.5477,
91.2379


 14.6403, 23.3108,
23.2774


 85.9664, 114.6004,
118.6247

 8.6520, 14.8232,
14.5913


 111.0660,
145.3194, 151.0072

 4.5702, 8.6954,
8.3896

 140.6296,
181.0889, 188.8040

 2.0295, 4.5430,
4.2539

175.0226,
222.2935, 232.4336

 0.6504, 1.9817,
1.7657

214.6102,

 0.0000, 0.5968,

269.3175, 282.3146

0.4052

259.7578,
322.5452, 338.8655

■ 0.0000, 0.0000,
0.0000

■ 33.7977, 48.9032,
49.7774

■ 33.7977, 48.9032,
49.7774

■ 31.6859, 47.8693,
47.2625

■ 36.4717, 50.2276,
52.4048

■ 30.0848, 47.0955,
44.8537

■ 39.7458, 51.8582,
55.1442

■ 28.9399, 46.5551,
42.5487

■ 43.6593, 53.8165,
57.9992

■ 28.1734, 46.2080,
40.3430

■ 48.2469, 56.1204,
60.9723

■ 28.0116, 46.1360,
39.8181

■ 53.5407, 58.7865,
64.0658

■ 59.5710, 61.8303,
67.2817

■ 66.3660, 65.2664,
70.6223

■ 73.9525, 69.1085,
74.0895

■ 76.0198, 70.1033,
77.3888

Harmonies

Analogous

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



35.8615, 48.9032, 33.2577



33.7977, 48.9032, 49.7774



34.8294, 48.9032, 72.1805

Triad

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



33.7977, 48.9032, 49.7774



52.6917, 48.9032, 98.9123



55.0593, 48.9032, 26.5463

Complementary

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



33.7977, 48.9032, 49.7774



31.6240, 21.0118, 18.3104

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.



60.4784, 48.9032, 37.9533



33.7977, 48.9032, 49.7774



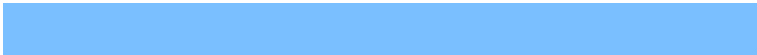
59.0138, 48.9032, 79.9724

Square

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



33.7977, 48.9032, 49.7774



45.2531, 48.9032, 104.4802



61.9964, 48.9032, 56.8748



47.7310, 48.9032, 22.2910

Rectangle

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



33.7977, 48.9032, 49.7774



37.1971, 48.9032, 87.2003



61.9964, 48.9032, 56.8748



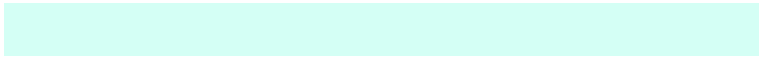
57.1939, 48.9032, 29.4977

Sweetspot

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



33.7991, 48.9051, 49.7785



79.3043, 92.0626, 100.0405



30.5622, 47.9660, 16.6654



16.6257, 19.5298, 21.1970



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.



33.7991, 48.9051, 49.7785



51.2206, 78.0772, 76.4838



29.9975, 36.5279, 63.2293



11.4292, 12.6814, 13.8174



17.4753, 28.7354, 24.9859



0.9291, 1.4935, 1.4342

Inverse Universe

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



31.6240, 21.0118, 18.3104



47.3882, 28.1986, 20.4967



33.4323, 26.7359, 12.4163



11.3157, 11.2550, 12.1973



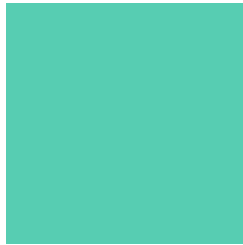
16.0222, 8.2195, 2.5698



0.8565, 0.4360, 0.2904

Previews

White Background



This preview shows how the XYZ color 33.7977, 48.9032, 49.7774 looks on a white background.

Color Contrast Check

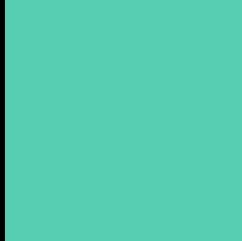
Large Text (above 18pt) WCAG AA × Fail

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 33.7977, 48.9032, 49.7774 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

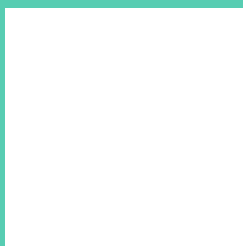
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7977, 48.9032, 49.7774

Background



This preview shows how black text looks on a background with the XYZ color 33.7977, 48.9032, 49.7774.



This preview shows how white text looks on a background with the XYZ color 33.7977, 48.9032,

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

33.7977, 48.9032, 49.7774

Protanopia

45.8538, 48.2775, 43.4609

Deuteranopia

48.9292, 47.8580, 52.0061



Tritanopia

38.4158, 49.0331, 72.4054

Trichromacy



Original Color

33.7977, 48.9032, 49.7774



Protanomaly

39.5267, 47.5096, 45.6151



Deuteranomaly

40.9239, 46.8174, 51.1357



Tritanomaly

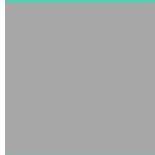
36.6051, 48.9921, 63.4043

Monochromacy



Original Color

33.7977, 48.9032, 49.7774



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.3558, 41.3913, 44.7067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7977, 48.9032, 49.7774 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, 205, 178)` looks like.

```
.text, #text, p{  
    color:rgb(87, 205, 178)  
}
```

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, 205, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 205, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.7977, 48.9032, 49.7774 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, 205, 178) }
```


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

```
.border{ border-color:rgb(87, 205, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 205, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 205, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 205, 178);  
box-shadow:4px 4px 4px 4px rgb(87, 205,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7977, 48.9032, 49.7774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 205, 178) }
```

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

```
.background{ background-color: rgb(87, 205,  
178) }
```

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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