

Converting Colors

XYZ(24.0088, 35.0585, 35.3811)

Have a look what the booklet for
XYZ(24.0088, 35.0585, 35.3811)
contains.

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Color

**XYZ(23.9882, 35.0509,
35.2070)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 47B198 |
| RGB | 71, 177, 152 |
| RGB Percent | 28%, 69%, 60% |
| CMY | 0.7216, 0.3059, 0.4039 |
| CMYK | 0.60, 0.00, 0.14, 0.31 |
| HSL | 166°, 43%, 49% |
| HSV | 166°, 60%, 69% |
| XYZ | 23.9882, 35.0509, 35.2070 |
| YIQ | 142.4560, -55.1510, -30.2470 |

Conversions

Conversions Part 2

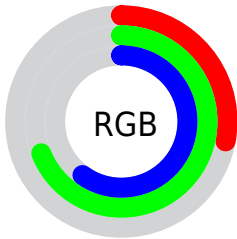
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 71, 131, 177 |
| Decimal | 4698520 |
| CIELab | 65.79, -36.56, 3.74 |
| CIELCh | 66, 36.749, 174.157 |
| Yxy | 35.0509, 0.2545, 0.3719 |
| Android (android.graphics.Color) | 4282888600 (0xFF47B198) |
| YUV | 142.4560, 4.7052, -62.6669 |
| Hunter-Lab | 59.2038, -31.2820, 6.1844 |

Details

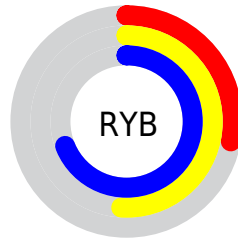
The XYZ color **23.9882, 35.0509, 35.2070** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **22.4972, 14.6991, 12.7191**, and the grayscale version is **25.8904, 27.2387, 29.6630**.

A 20% lighter version of the original color is **49.3328, 67.4012, 68.8021**, and **9.5566, 15.3549, 14.7720** is the 20% darker color. If you saturate the color by 10%, you get **22.5385, 34.3433, 33.3861**, and if you desaturate by 10%, it is **25.8299, 35.9610, 37.1107**.

Distribution



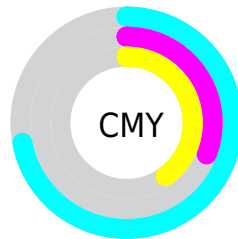
- Red (28%)
- Green (69%)
- Blue (60%)



- Red (28%)
- Yellow (51%)
- Blue (69%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)




- Cyan (72%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9882, 35.0509, 35.2070 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 23.9882, 35.0509, 35.2070 by changing the saturation by 10% instead.


 23.9882, 35.0509,
35.2070


 23.9882, 35.0509,
35.2070


265.2024,
324.7929, 340.4131


 15.4496, 23.7021,
23.5375


 49.4658, 67.5646,
68.9615


 9.2239, 15.1128,
14.7819


 67.1354, 89.4983,
91.8837


 4.9458, 8.8986,
8.5215


 88.5794, 115.7291,
119.3938

 2.2499, 4.6751,
4.3379

 114.1631,
146.6413, 151.9105

 0.7688, 2.0579,
1.8125

 144.2519,
182.6194, 189.8522

 0.0000, 0.6408,
0.4362

179.2112,

 0.0000, 0.0000,

224.0478, 233.6375

0.0000

219.4062,
271.3109, 283.6849

■ 23.9882, 35.0509,
35.2070

■ 23.9882, 35.0509,
35.2070

■ 22.5385, 34.3433,
33.3861

■ 25.8299, 35.9610,
37.1107

■ 21.4440, 33.8164,
31.6432

■ 28.0907, 37.0849,
39.0966

■ 20.6655, 33.4512,
29.9767

■ 30.7986, 38.4378,
41.1676

■ 20.1198, 33.2046,
28.3820

■ 33.9781, 40.0324,
43.3253

■ 20.1138, 33.2019,
28.3641

■ 37.6521, 41.8805,
45.5715

■ 41.8420, 43.9931,
47.9078

■ 46.5678, 46.3806,
50.3356

■ 51.8486, 49.0526,
52.8564

■ 57.7023, 52.0184,
55.4716

Harmonies

Analogous

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



25.5629, 35.0509, 23.2234



23.9882, 35.0509, 35.2070



24.6843, 35.0509, 51.7239

Triad

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



23.9882, 35.0509, 35.2070



37.7630, 35.0509, 72.3754



39.7954, 35.0509, 18.7272

Complementary

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



23.9882, 35.0509, 35.2070



22.4972, 14.6991, 12.7191

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.



43.7536, 35.0509, 27.2097



23.9882, 35.0509, 35.2070



42.4940, 35.0509, 58.4379

Square

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



23.9882, 35.0509, 35.2070



32.2655, 35.0509, 76.2071



44.7910, 35.0509, 41.2831



34.3867, 35.0509, 15.5122

Rectangle

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



23.9882, 35.0509, 35.2070



26.3854, 35.0509, 62.9521



44.7910, 35.0509, 41.2831



41.3622, 35.0509, 20.9239

Sweetspot

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



23.9892, 35.0523, 35.2078



61.8298, 72.1856, 78.2156



21.8438, 34.4696, 11.4639



13.0200, 15.4532, 16.7069



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.9892, 35.0523, 35.2078



39.6410, 61.1552, 58.7318



21.5218, 26.4879, 45.5749



8.6552, 9.5966, 10.4440



14.5970, 24.0648, 20.6783



0.4801, 0.7655, 0.7605

Inverse Universe

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



22.4972, 14.6991, 12.7191



36.7809, 21.4206, 15.0898



23.5910, 18.4452, 8.2788



8.5758, 8.5370, 9.2645



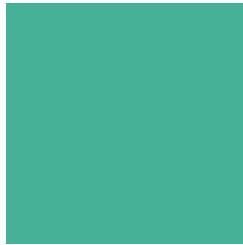
13.4566, 6.9002, 2.2987



0.4463, 0.2263, 0.1929

Previews

White Background



This preview shows how the XYZ color 23.9882, 35.0509, 35.2070 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 23.9882, 35.0509, 35.2070 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

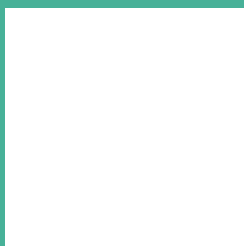
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9882, 35.0509, 35.2070

Background



This preview shows how black text looks on a background with the XYZ color 23.9882, 35.0509, 35.2070.

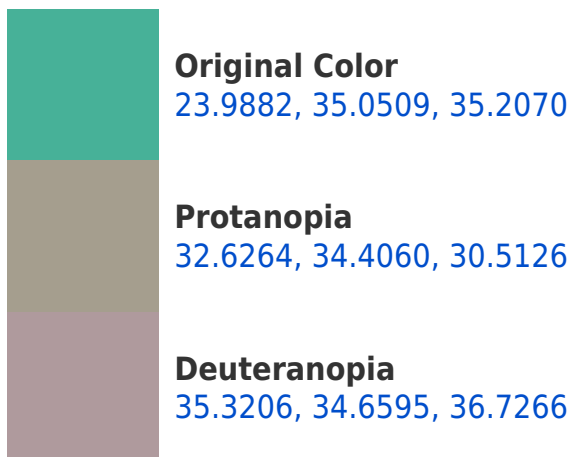


This preview shows how white text looks on a background with the XYZ color 23.9882, 35.0509,

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





Tritanopia

27.2716, 34.9350, 51.7601

Trichromacy



Original Color

23.9882, 35.0509, 35.2070

Protanomaly

28.0035, 33.8109, 32.2443

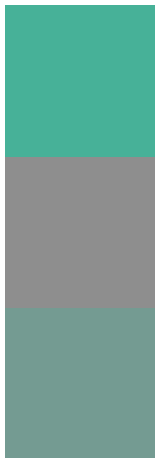
Deuteranomaly

29.1533, 33.5256, 35.9449

Tritanomaly

26.0005, 34.9904, 45.4278

Monochromacy



Original Color

23.9882, 35.0509, 35.2070

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.1121, 29.2310, 31.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9882, 35.0509, 35.2070 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(71, 177, 152)` looks like.

```
.text, #text, p{  
    color:rgb(71, 177, 152)  
}
```

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(71, 177, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 177, 152) }
```

Border

The CSS property to change the border of an element to XYZ 23.9882, 35.0509, 35.2070 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(71, 177, 152) }
```


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

```
.border{ border-color:rgb(71, 177, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 177, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 177, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 177, 152);  
box-shadow:4px 4px 4px 4px rgb(71, 177,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9882, 35.0509, 35.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 177, 152) }
```

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

```
.background{ background-color: rgb(71, 177,  
152) }
```

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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