

Converting Colors

XYZ(27.9536, 36.5271, 48.6204)

Have a look what the booklet for
XYZ(27.9536, 36.5271, 48.6204)
contains.

XYZ(27.9800, 36.5196, 48.7543)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.9800, 36.5196,
48.7543)**

Conversions

Conversions Part 1

Format	Color
Hex	5AB0B4
RGB	90, 176, 180
RGB Percent	35%, 69%, 71%
CMY	0.6470, 0.3098, 0.2941
CMYK	0.50, 0.02, 0.00, 0.29
HSL	183°, 37%, 53%
HSV	183°, 50%, 71%
XYZ	27.9800, 36.5196, 48.7543
YIQ	150.7420, -52.5400, -16.9880

Conversions

Conversions Part 2

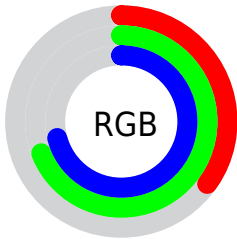
Format	Color
RYB	90, 134, 180
Decimal	5943476
CIELab	66.92, -24.78, -10.05
CIElCh	67, 26.740, 202.079
Yxy	36.5196, 0.2471, 0.3225
Android (android.graphics.Color)	4284133556 (0xFF5AB0B4)
YUV	150.7420, 14.4242, -53.2707
Hunter-Lab	60.4314, -23.1088, -5.5314

Details

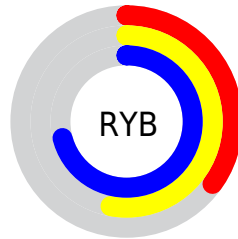
The XYZ color **27.9800, 36.5196, 48.7543** is a light color, and the websafe version is hex **339999**. A complement of this color would be **24.6712, 18.4476, 11.9342**, and the grayscale version is **29.2626, 30.7865, 33.5265**.

A 20% lighter version of the original color is **55.8510, 69.8803, 89.9015**, and **11.3397, 15.9178, 22.5535** is the 20% darker color. If you saturate the color by 10%, you get **26.2807, 35.4123, 48.6308**, and if you desaturate by 10%, it is **30.1064, 37.8501, 48.8997**.

Distribution



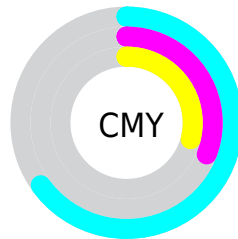
- Red (35%)
- Green (69%)
- Blue (71%)



- Red (35%)
- Yellow (53%)
- Blue (71%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)



- Cyan (65%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9800, 36.5196, 48.7543 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 27.9800, 36.5196, 48.7543 by changing the saturation by 10% instead.

■ 27.9800, 36.5196,
48.7543

■ 27.9800, 36.5196,
48.7543

284.4531,
331.2260, 398.3689

■ 18.4510, 24.8358,
34.0604

■ 55.8614, 69.8333,
89.7036

■ 11.3759, 15.9547,
22.6623

■ 74.9444, 92.2320,
116.7961

■ 6.3894, 9.4921,
14.1414

■ 97.9429, 118.9710,
148.8586

■ 3.1262, 5.0635,
8.0792

■ 125.2220,
150.4348, 186.3095

■ 1.2208, 2.2846,
4.0572

157.1473,
187.0079, 229.5675

■ 0.1227, 0.7655,
1.6568

194.0840,

■ 0.0000, 0.0000,

229.0745, 279.0510

0.3308

236.3975,
277.0190, 335.1786

■ 0.0000, 0.0000,
0.0000

■ 27.9800, 36.5196,
48.7543

■ 27.9800, 36.5196,
48.7543

■ 26.2807, 35.4123,
48.6308

■ 30.1064, 37.8501,
48.8997

■ 24.9740, 34.5080,
48.5251

■ 32.6846, 39.4140,
49.0657

■ 24.0256, 33.7897,
48.4364

■ 35.7412, 41.2260,
49.2543

■ 23.3939, 33.2360,
48.3629

■ 39.3001, 43.2983,
49.4667

■ 22.9918, 32.8021,
48.3003

■ 43.3834, 45.6423,
49.7040

■ 22.9917, 32.8020,
48.3003

■ 48.0118, 48.2687,
49.9670

■ 53.2050, 51.1876,
50.2567

■ 58.9818, 54.4088,
50.5739

■ 65.3599, 57.9414,
50.9196

Harmonies

Analogous

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



27.5517, 36.5196, 36.7672



27.9800, 36.5196, 48.7543



30.1393, 36.5196, 60.0906

Triad

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



27.9800, 36.5196, 48.7543



41.2268, 36.5196, 55.1136



35.7956, 36.5196, 21.5049

Complementary

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



27.9800, 36.5196, 48.7543



24.6712, 18.4476, 11.9342

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.



39.7226, 36.5196, 24.6312



27.9800, 36.5196, 48.7543



43.0136, 36.5196, 42.9185

Square

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



27.9800, 36.5196, 48.7543



37.7225, 36.5196, 64.2316



42.4427, 36.5196, 31.9523



31.8638, 36.5196, 22.4636

Rectangle

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



27.9800, 36.5196, 48.7543



32.3682, 36.5196, 64.9969



42.4427, 36.5196, 31.9523



37.1638, 36.5196, 22.0874

Sweetspot

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



27.9811, 36.5210, 48.7552



67.7491, 76.4719, 89.4844



22.5143, 35.6073, 16.0431



14.3592, 16.3627, 19.3238



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.9811, 36.5210, 48.7552



47.3762, 64.0239, 88.1555



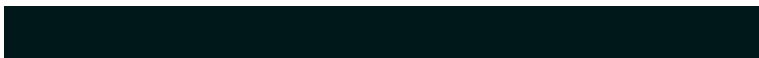
20.7068, 21.9725, 46.3304



8.7097, 9.5655, 10.8936



16.0599, 22.9202, 33.7146



0.5152, 0.7409, 1.0641

Inverse Universe

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



30.3159, 20.1512, 43.3675



52.1693, 31.1918, 76.9222



29.7572, 28.6194, 13.6295



8.8334, 8.6401, 10.6211



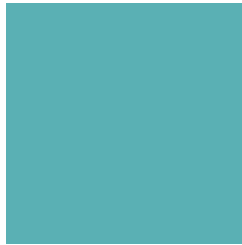
18.3410, 8.8539, 28.0192



0.5821, 0.2806, 0.9078

Previews

White Background



This preview shows how the XYZ color 27.9800, 36.5196, 48.7543 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 27.9800, 36.5196, 48.7543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

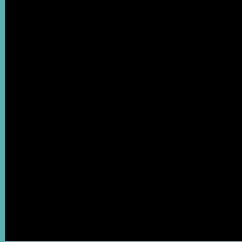
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9800, 36.5196, 48.7543

Background



This preview shows how black text looks on a background with the XYZ color 27.9800, 36.5196, 48.7543.

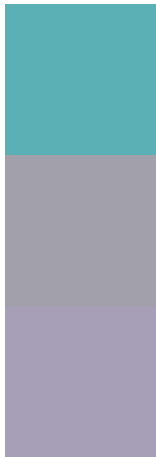


This preview shows how white text looks on a background with the XYZ color 27.9800, 36.5196,

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

27.9800, 36.5196, 48.7543

Protanopia

34.9958, 36.1114, 43.6538

Deuteranopia

36.8149, 36.1299, 50.3808



Tritanopia

29.0295, 36.6612, 53.6904

Trichromacy



Original Color

27.9800, 36.5196, 48.7543

Protanomaly

31.4295, 35.5627, 45.2522

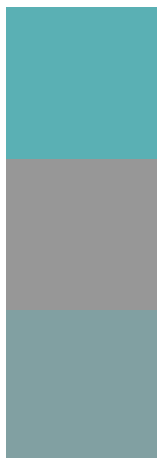
Deuteranomaly

32.6498, 35.8181, 49.9925

Tritanomaly

28.6065, 36.4804, 51.9881

Monochromacy



Original Color

27.9800, 36.5196, 48.7543

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.1457, 32.4174, 38.9562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9800, 36.5196, 48.7543 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(90, 176, 180)` looks like.

```
.text, #text, p{  
    color:rgb(90, 176, 180)  
}
```

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(90, 176, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 176, 180) }
```

Border

The CSS property to change the border of an element to XYZ 27.9800, 36.5196, 48.7543 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(90, 176, 180) }
```


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

```
.border{ border-color:rgb(90, 176, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 176, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 176, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 176, 180);  
box-shadow:4px 4px 4px 4px rgb(90, 176,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9800, 36.5196, 48.7543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 176, 180) }
```

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

```
.background{ background-color: rgb(90, 176,  
180) }
```

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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