

Converting Colors

XYZ(27.9992, 36.3859, 47.9312)

Have a look what the booklet for
XYZ(27.9992, 36.3859, 47.9312)
contains.

XYZ(27.9809, 36.2418, 48.1684)	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(27.9809, 36.2418,
48.1684)**

Conversions

Conversions Part 1

Format	Color
Hex	5DAFB3
RGB	93, 175, 179
RGB Percent	36%, 69%, 70%
CMY	0.6353, 0.3137, 0.2980
CMYK	0.48, 0.02, 0.00, 0.30
HSL	183°, 36%, 53%
HSV	183°, 48%, 70%
XYZ	27.9809, 36.2418, 48.1684
YIQ	150.9380, -50.1560, -16.1400

Conversions

Conversions Part 2

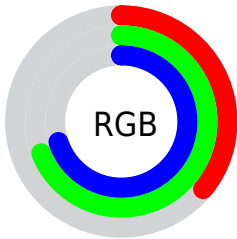
Format	Color
RYB	93, 135, 179
Decimal	6139827
CIELab	66.70, -23.87, -9.80
CIElCh	67, 25.800, 202.322
Yxy	36.2418, 0.2490, 0.3225
Android (android.graphics.Color)	4284329907 (0xFF5DAFB3)
YUV	150.9380, 13.8346, -50.8116
Hunter-Lab	60.2012, -22.3870, -5.2985

Details

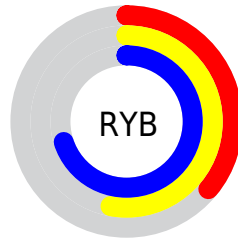
The XYZ color **27.9809, 36.2418, 48.1684** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **24.8416, 18.9241, 12.7004**, and the grayscale version is **29.3480, 30.8764, 33.6244**.

A 20% lighter version of the original color is **55.9657, 69.5395, 89.0700**, and **11.3211, 15.7325, 22.1787** is the 20% darker color. If you saturate the color by 10%, you get **26.2157, 35.0929, 48.0403**, and if you desaturate by 10%, it is **30.1734, 37.6141, 48.3184**.

Distribution



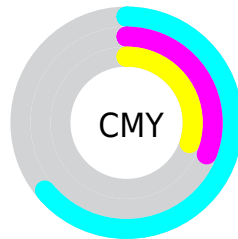
- Red (36%)
- Green (69%)
- Blue (70%)



- Red (36%)
- Yellow (53%)
- Blue (70%)



- Cyan (48%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)



- Cyan (64%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9809, 36.2418, 48.1684 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 27.9809, 36.2418, 48.1684 by changing the saturation by 10% instead.

■ 27.9809, 36.2418,
48.1684

■ 27.9809, 36.2418,
48.1684

284.4574,
330.0162, 395.9872

■ 18.4516, 24.6210,
33.5993

■ 55.8628, 69.4051,
88.8232

■ 11.3764, 15.7949,
22.3111

■ 74.9462, 91.7164,
115.7461

■ 6.3897, 9.3791,
13.8852

■ 97.9449, 118.3600,
147.6239

■ 3.1264, 4.9893,
7.9030

■ 125.2245,
149.7203, 184.8753

■ 1.2209, 2.2410,
3.9461

157.1501,
186.1817, 227.9188

■ 0.1228, 0.7422,
1.5958

194.0872,

■ 0.0000, 0.0000,

228.1285, 277.1729

0.2878

236.4012,
275.9452, 333.0562

■ 0.0000, 0.0000,
0.0000

■ 27.9809, 36.2418,
48.1684

■ 27.9809, 36.2418,
48.1684

■ 26.2157, 35.0929,
48.0403

■ 30.1734, 37.6141,
48.3184

■ 24.8444, 34.1477,
47.9302

■ 32.8169, 39.2196,
48.4889

■ 23.8341, 33.3902,
47.8372

■ 35.9375, 41.0725,
48.6821

■ 23.1453, 32.7997,
47.7595

■ 39.5583, 43.1847,
48.8990

■ 22.7137, 32.3435,
47.6942

■ 43.7007, 45.5674,
49.1405

■ 22.6391, 32.2594,
47.6819

■ 48.3850, 48.2309,
49.4078

■ 53.6306, 51.1853,
49.7015

■ 59.4556, 54.4398,
50.0227

■ 65.8775, 58.0036,
50.3721

Harmonies

Analogous

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



27.5536, 36.2418, 36.6679



27.9809, 36.2418, 48.1684



30.0745, 36.2418, 58.9575

Triad

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



27.9809, 36.2418, 48.1684



40.7117, 36.2418, 54.0548



35.4557, 36.2418, 21.8123

Complementary

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



27.9809, 36.2418, 48.1684



24.8416, 18.9241, 12.7004

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.



39.2234, 36.2418, 24.8202



27.9809, 36.2418, 48.1684



42.4032, 36.2418, 42.3928

Square

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



27.9809, 36.2418, 48.1684



37.3662, 36.2418, 62.7774



41.8390, 36.2418, 31.8721



31.6835, 36.2418, 22.7780

Rectangle

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



27.9809, 36.2418, 48.1684



32.2251, 36.2418, 63.5898



41.8390, 36.2418, 31.8721



36.7682, 36.2418, 22.3689

Sweetspot

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



27.9820, 36.2432, 48.1693



66.7227, 74.9428, 87.3299



22.7404, 35.4102, 16.6715



14.4851, 16.4295, 19.3300



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.



27.9820, 36.2432, 48.1693



46.6916, 62.6759, 86.0179



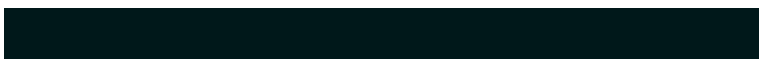
21.0576, 22.3945, 45.8611



8.7081, 9.5625, 10.8931



16.0112, 22.8228, 33.6983



0.5141, 0.7387, 1.0637

Inverse Universe

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



30.2436, 20.5086, 42.9235



51.3114, 31.2786, 75.1354



29.7803, 28.8016, 14.3466



8.8326, 8.6398, 10.6170



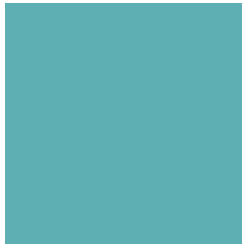
18.3164, 8.8441, 27.8897



0.5815, 0.2803, 0.9049

Previews

White Background



This preview shows how the XYZ color 27.9809, 36.2418, 48.1684 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 27.9809, 36.2418, 48.1684 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 27.9809, 36.2418, 48.1684

Background



This preview shows how black text looks on a background with the XYZ color 27.9809, 36.2418, 48.1684.

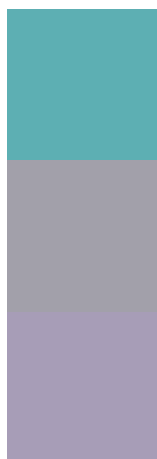


This preview shows how white text looks on a background with the XYZ color 27.9809, 36.2418,

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

27.9809, 36.2418, 48.1684

Protanopia

34.7268, 35.7253, 43.0956

Deuteranopia

36.5406, 35.7483, 49.7740



Tritanopia

29.0370, 36.3897, 53.0705

Trichromacy



Original Color

27.9809, 36.2418, 48.1684

Protanomaly

31.3145, 35.2458, 44.6878

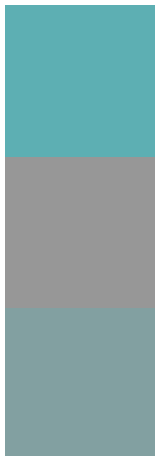
Deuteranomaly

32.5342, 35.5038, 49.3941

Tritanomaly

28.6123, 36.2078, 51.3797

Monochromacy



Original Color

27.9809, 36.2418, 48.1684

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.2097, 32.4606, 38.4969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9809, 36.2418, 48.1684 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(93, 175, 179)` looks like.

```
.text, #text, p{  
    color:rgb(93, 175, 179)  
}
```

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(93, 175, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 175, 179) }
```

Border

The CSS property to change the border of an element to XYZ 27.9809, 36.2418, 48.1684 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(93, 175, 179) }
```


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

```
.border{ border-color:rgb(93, 175, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 175, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 175, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 175, 179);  
box-shadow:4px 4px 4px 4px rgb(93, 175,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9809, 36.2418, 48.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 175, 179) }
```

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

```
.background{ background-color: rgb(93, 175,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor