

Converting Colors

XYZ(27.9440, 35.0823, 48.4536)

Have a look what the booklet for
XYZ(27.9440, 35.0823, 48.4536)
contains.

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Color

**XYZ(27.9467, 35.0738,
48.4770)**

Conversions

Conversions Part 1

Format	Color
Hex	63ABB4
RGB	99, 171, 180
RGB Percent	39%, 67%, 71%
CMY	0.6118, 0.3294, 0.2941
CMYK	0.45, 0.05, 0.00, 0.29
HSL	187°, 35%, 55%
HSV	187°, 45%, 71%
XYZ	27.9467, 35.0738, 48.4770
YIQ	150.4980, -45.8010, -12.4650

Conversions

Conversions Part 2

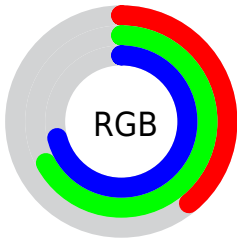
Format	Color
RYB	99, 137, 180
Decimal	6532020
CIELab	65.81, -20.13, -11.67
CIElCh	66, 23.270, 210.106
Yxy	35.0738, 0.2506, 0.3146
Android (android.graphics.Color)	4284722100 (0xFF63ABB4)
YUV	150.4980, 14.5445, -45.1637
Hunter-Lab	59.2231, -19.4084, -7.0755

Details

The XYZ color **27.9467, 35.0738, 48.4770** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4376, 21.3297, 14.5288**, and the grayscale version is **29.1560, 30.6744, 33.4044**.

A 20% lighter version of the original color is **55.9358, 67.8643, 89.5079**, and **11.3824, 15.2182, 22.4162** is the 20% darker color. If you saturate the color by 10%, you get **25.8205, 33.4220, 48.2709**, and if you desaturate by 10%, it is **30.5190, 36.9657, 48.7072**.

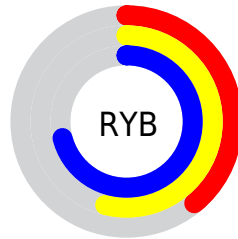
Distribution



Red (39%)

Green (67%)

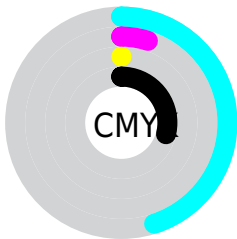
Blue (71%)



Red (39%)

Yellow (54%)

Blue (71%)

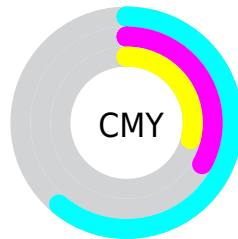


Cyan (45%)

Magenta (5%)

Yellow (0%)

Black (29%)



Cyan (61%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9467, 35.0738, 48.4770 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 27.9467, 35.0738, 48.4770 by changing the saturation by 10% instead.

■ 27.9467, 35.0738,
48.4770

■ 27.9467, 35.0738,
48.4770

284.2968,
324.8940, 397.2429

■ 18.4257, 23.7197,
33.8421

■ 55.8086, 67.6001,
89.2871

■ 11.3576, 15.1258,
22.4960

■ 74.8802, 89.5411,
116.2994

■ 6.3770, 8.9078,
14.0200

■ 97.8661, 115.7798,
148.2746

■ 3.1185, 4.6811,
7.9957

■ 125.1316,
146.7008, 185.6313

■ 1.2167, 2.0614,
4.0044

157.0420,
182.6882, 228.7878

■ 0.1195, 0.6428,
1.6278

193.9628,

■ 0.0000, 0.0000,

224.1267, 278.1630

0.3105

236.2593,
271.4004, 334.1751

■ 0.0000, 0.0000,
0.0000

■ 27.9467, 35.0738,
48.4770

■ 27.9467, 35.0738,
48.4770

■ 25.8205, 33.4220,
48.2709

■ 30.5190, 36.9657,
48.7072

■ 24.1078, 31.9910,
48.0849

■ 33.5610, 39.1074,
48.9603

■ 22.7765, 30.7651,
47.9184

■ 37.0984, 41.5130,
49.2382

■ 21.7884, 29.7244,
47.7697

■ 41.1541, 44.1945,
49.5420

■ 21.0968, 28.8449,
47.6364

■ 45.7496, 47.1629,
49.8727

■ 20.8100, 28.4386,
47.5730

■ 50.9052, 50.4286,
50.2313

■ 56.6400, 54.0017,
50.6188

■ 62.9722, 57.8914,
51.0358

■ 67.6759, 60.9504,
51.3783

Harmonies

Analogous

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



27.1626, 35.0738, 38.2244



27.9467, 35.0738, 48.4770



30.1542, 35.0738, 57.0321

Triad

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



27.9467, 35.0738, 48.4770



39.3921, 35.0738, 48.4059



33.3244, 35.0738, 22.2345

Complementary

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



27.9467, 35.0738, 48.4770



26.4376, 21.3297, 14.5288

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.



36.7354, 35.0738, 24.0345



27.9467, 35.0738, 48.4770



40.3817, 35.0738, 38.1544

Square

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



27.9467, 35.0738, 48.4770



36.7580, 35.0738, 56.9864



39.3784, 35.0738, 29.4711



30.1344, 35.0738, 24.0602

Rectangle

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



27.9467, 35.0738, 48.4770



32.2154, 35.0738, 60.0007



39.3784, 35.0738, 29.4711



34.4835, 35.0738, 22.4310

Sweetspot

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



27.9478, 35.0752, 48.4778



68.5027, 76.0974, 89.3724



24.1267, 36.3595, 19.6848



14.4784, 16.2284, 19.2915



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.



27.9478, 35.0752, 48.4778



46.8434, 60.6213, 87.5268



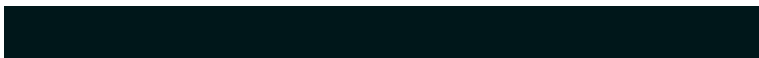
21.5547, 22.2890, 46.3468



8.6605, 9.4671, 10.8772



14.5544, 19.9092, 33.2127



0.4807, 0.6720, 1.0526

Inverse Universe

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



30.6358, 21.5681, 41.0780



52.4709, 33.4968, 71.7765



31.6025, 31.6595, 16.2504



8.8086, 8.6301, 10.4903



17.5810, 8.5500, 24.0175



0.5647, 0.2736, 0.8163

Previews

White Background



This preview shows how the XYZ color 27.9467, 35.0738, 48.4770 looks on a white background.

Color Contrast Check

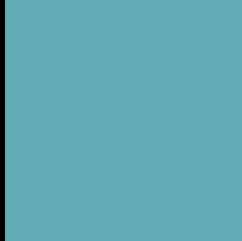
Large Text (above 18pt) WCAG AA × Fail

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 27.9467, 35.0738, 48.4770 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 27.9467, 35.0738, 48.4770

Background



This preview shows how black text looks on a background with the XYZ color 27.9467, 35.0738, 48.4770.

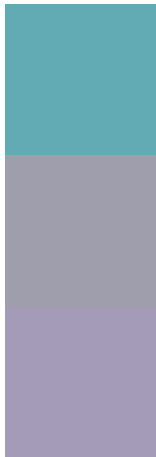


This preview shows how white text looks on a background with the XYZ color 27.9467, 35.0738,

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

27.9467, 35.0738, 48.4770

Protanopia

33.7738, 34.7014, 43.9477

Deuteranopia

35.3728, 34.6481, 49.6232



Tritanopia

28.2820, 34.9195, 50.5969

Trichromacy



Original Color

27.9467, 35.0738, 48.4770

Protanomaly

31.1516, 34.6079, 45.5956

Deuteranomaly

32.0036, 34.4426, 49.2173

Tritanomaly

28.1775, 34.8777, 50.0467

Monochromacy



Original Color

27.9467, 35.0738, 48.4770

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.2642, 31.9679, 38.8632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9467, 35.0738, 48.4770 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(99, 171, 180)` looks like.

```
.text, #text, p{  
    color:rgb(99, 171, 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(99, 171, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 180) }
```

Border

The CSS property to change the border of an element to XYZ 27.9467, 35.0738, 48.4770 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(99, 171, 180) }
```


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

```
.border{ border-color:rgb(99, 171, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 171, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 171, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 171, 180);  
box-shadow:4px 4px 4px 4px rgb(99, 171,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9467, 35.0738, 48.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 171, 180) }
```

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

```
.background{ background-color: rgb(99, 171,  
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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