

Converting Colors

XYZ(30.7436, 38.9026, 36.8349)

Have a look what the booklet for
XYZ(30.7436, 38.9026, 36.8349)
contains.

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Color

**XYZ(30.7389, 38.7965,
36.8787)**

Conversions

Conversions Part 1

Format	Color
Hex	80B29B
RGB	128, 178, 155
RGB Percent	50%, 70%, 61%
CMY	0.4980, 0.3019, 0.3922
CMYK	0.28, 0.00, 0.13, 0.30
HSL	152°, 25%, 60%
HSV	152°, 28%, 70%
XYZ	30.7389, 38.7965, 36.8787
YIQ	160.4280, -22.4170, -17.7530

Conversions

Conversions Part 2

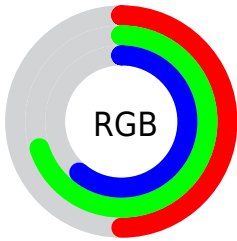
Format	Color
RYB	128, 160, 178
Decimal	8434331
CIELab	68.60, -21.47, 6.46
CIElCh	69, 22.416, 163.262
Yxy	38.7965, 0.2889, 0.3646
Android (android.graphics.Color)	4286624411 (0xFF80B29B)
YUV	160.4280, -2.6760, -28.4394
Hunter-Lab	62.2868, -20.9112, 8.4964

Details

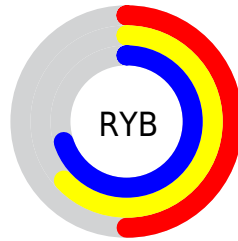
The XYZ color **30.7389, 38.7965, 36.8787** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.6666, 27.1387, 32.8492**, and the grayscale version is **33.6314, 35.3829, 38.5320**.

A 20% lighter version of the original color is **60.2228, 73.3942, 71.3140**, and **12.8929, 17.2445, 15.7457** is the 20% darker color. If you saturate the color by 10%, you get **27.6284, 37.2708, 33.2646**, and if you desaturate by 10%, it is **34.3679, 40.5862, 40.7622**.

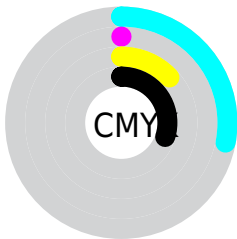
Distribution



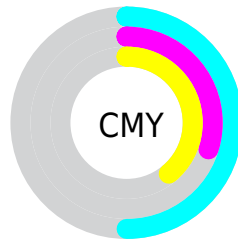
- Red (50%)
- Green (70%)
- Blue (61%)



- Red (50%)
- Yellow (63%)
- Blue (70%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)
- Black (30%)



- Cyan (50%)
- Magenta (30%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7389, 38.7965, 36.8787 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 30.7389, 38.7965, 36.8787 by changing the saturation by 10% instead.

■ 30.7389, 38.7965,
36.8787

■ 30.7389, 38.7965,
36.8787

297.1820,
341.0245, 347.9379

■ 20.5510, 26.6015,
24.8185

■ 60.2074, 73.3273,
71.5704

■ 12.9068, 17.2741,
15.7241

■ 80.2187, 96.4319,
95.0391

■ 7.4409, 10.4301,
9.1769

■ 104.2351,
123.9418, 123.1476

■ 3.7881, 5.6851,
4.7584

132.6220,
156.2414, 156.3146

■ 1.5830, 2.6545,
2.0499

165.7449,
193.7150, 194.9586

■ 0.3813, 0.9542,
0.5857

203.9689,

■ 0.0000, 0.0000,

236.7472, 239.4981

0.0000

247.6595,
285.7222, 290.3517

■ 30.7389, 38.7965,
36.8787

■ 30.7389, 38.7965,
36.8787

■ 27.6284, 37.2708,
33.2646

■ 34.3679, 40.5862,
40.7622

■ 25.0077, 35.9913,
29.9113

■ 38.5359, 42.6472,
44.9183

■ 22.8502, 34.9454,
26.8135

■ 43.2660, 44.9924,
49.3533

■ 21.1252, 34.1174,
23.9645

■ 48.5791, 47.6324,
54.0727

■ 19.7984, 33.4897,
21.3576

■ 54.4950, 50.5774,
59.0817

■ 18.8293, 33.0417,
18.9854

■ 61.0324, 53.8370,
64.3854

■ 18.1532, 32.7399,
16.8391

■ 68.2095, 57.4204,
69.9887

■ 18.0378, 32.6888,
16.4535

■ 70.1471, 58.2966,
75.6204

■ 71.2620, 58.7425,
81.4913

Harmonies

Analogous

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



32.4083, 38.7965, 29.5888



30.7389, 38.7965, 36.8787



30.6444, 38.7965, 46.8695

Triad

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



30.7389, 38.7965, 36.8787



38.4569, 38.7965, 64.1744



42.0518, 38.7965, 30.2526

Complementary

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



30.7389, 38.7965, 36.8787



31.6666, 27.1387, 32.8492

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.



43.8974, 38.7965, 37.9310



30.7389, 38.7965, 36.8787



41.7342, 38.7965, 58.0709

Square

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



30.7389, 38.7965, 36.8787



34.9510, 38.7965, 63.7711



43.7775, 38.7965, 48.1033



38.8682, 38.7965, 26.2033

Rectangle

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



30.7389, 38.7965, 36.8787



31.4762, 38.7965, 53.8493



43.7775, 38.7965, 48.1033



42.8581, 38.7965, 32.4367

Sweetspot

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



30.7400, 38.7981, 36.8796



69.8406, 77.3156, 81.4155



32.6424, 40.0122, 26.4255



15.2085, 16.9982, 17.7806



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.



30.7400, 38.7981, 36.8796



51.9724, 68.5030, 62.5617



32.5301, 38.9867, 47.9320



8.5744, 9.5643, 10.0186



12.9378, 23.4011, 11.9410



0.4361, 0.7479, 0.5287

Inverse Universe

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



31.6666, 27.1387, 32.8492



53.9452, 43.6904, 53.9892



30.1959, 26.9012, 24.0237



8.6535, 8.5681, 9.6740



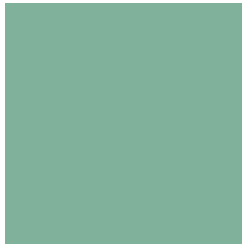
14.2545, 7.2194, 6.5003



0.4781, 0.2390, 0.3602

Previews

White Background



This preview shows how the XYZ color 30.7389, 38.7965, 36.8787 looks on a white background.

Color Contrast Check

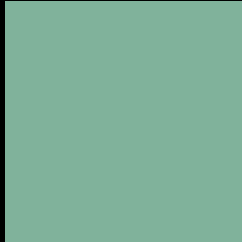
Large Text (above 18pt) WCAG AA × Fail

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 30.7389, 38.7965, 36.8787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

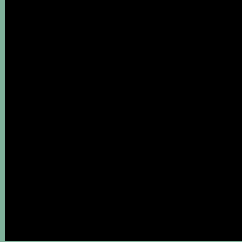
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7389, 38.7965, 36.8787

Background



This preview shows how black text looks on a background with the XYZ color 30.7389, 38.7965, 36.8787.



This preview shows how white text looks on a background with the XYZ color 30.7389, 38.7965,

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

30.7389, 38.7965, 36.8787

Protanopia

36.5166, 38.4410, 33.9290

Deuteranopia

39.2526, 38.4320, 38.1502



Tritanopia

33.9049, 38.6259, 52.6823

Trichromacy



Original Color

30.7389, 38.7965, 36.8787

Protanomaly

33.8653, 38.1519, 34.8573

Deuteranomaly

35.5073, 38.1054, 37.8314

Tritanomaly

32.5836, 38.6606, 46.3024

Monochromacy



Original Color

30.7389, 38.7965, 36.8787

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2030, 36.4020, 37.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7389, 38.7965, 36.8787 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(128, 178, 155)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 155)  
}
```

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(128, 178, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 155) }
```

Border

The CSS property to change the border of an element to XYZ 30.7389, 38.7965, 36.8787 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(128, 178, 155) }
```


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

```
.border{ border-color:rgb(128, 178, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 178, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 155);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7389, 38.7965, 36.8787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 178, 155) }
```

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

```
.background{ background-color: rgb(128,  
178, 155) }
```

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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