

Converting Colors

XYZ(30.8601, 38.9342, 37.4584)

Have a look what the booklet for
XYZ(30.8601, 38.9342, 37.4584)
contains.

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Color

**XYZ(30.8232, 38.8303,
37.3229)**

Conversions

Conversions Part 1

Format	Color
Hex	80B29C
RGB	128, 178, 156
RGB Percent	50%, 70%, 61%
CMY	0.4980, 0.3019, 0.3882
CMYK	0.28, 0.00, 0.12, 0.30
HSL	154°, 25%, 60%
HSV	154°, 28%, 70%
XYZ	30.8232, 38.8303, 37.3229
YIQ	160.5420, -22.7380, -17.4420

Conversions

Conversions Part 2

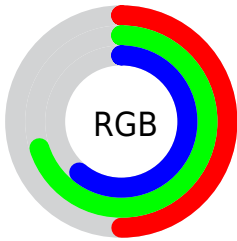
Format	Color
RYB	128, 160, 178
Decimal	8434332
CIELab	68.63, -21.26, 5.94
CIElCh	69, 22.073, 164.387
Yxy	38.8303, 0.2881, 0.3630
Android (android.graphics.Color)	4286624412 (0xFF80B29C)
YUV	160.5420, -2.2392, -28.5393
Hunter-Lab	62.3140, -20.7556, 8.1081

Details

The XYZ color **30.8232, 38.8303, 37.3229** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.5856, 27.1062, 32.4230**, and the grayscale version is **33.6823, 35.4364, 38.5903**.

A 20% lighter version of the original color is **60.3471, 73.4439, 71.9682**, and **12.9440, 17.2649, 16.0148** is the 20% darker color. If you saturate the color by 10%, you get **27.7352, 37.3136, 33.8275**, and if you desaturate by 10%, it is **34.4258, 40.6094, 41.0674**.

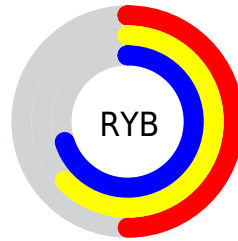
Distribution



Red (50%)

Green (70%)

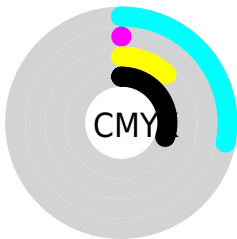
Blue (61%)



Red (50%)

Yellow (63%)

Blue (70%)

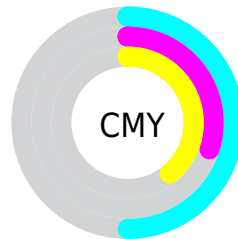


Cyan (28%)

Magenta (0%)

Yellow (12%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8232, 38.8303, 37.3229 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 30.8232, 38.8303, 37.3229 by changing the saturation by 10% instead.


 30.8232, 38.8303,
37.3229


 30.8232, 38.8303,
37.3229


297.5644,
341.1685, 349.9171


 20.6154, 26.6277,
25.1599


 60.3393, 73.3790,
72.2610

 12.9540, 17.2938,
15.9761


 80.3784, 96.4939,
95.8731

 7.4737, 10.4442,
9.3531


 104.4253,
124.0151, 124.1387

 3.8090, 5.6945,
4.8722

132.8454,
156.3269, 157.4762

 1.5947, 2.6602,
2.1151

166.0040,
193.8138, 196.3043

 0.3889, 0.9570,
0.6247

204.2664,

 0.0000, 0.0000,

236.8600, 241.0415

0.0000

247.9981,
285.8501, 292.1062

■ 30.8232, 38.8303,
37.3229

■ 30.8232, 38.8303,
37.3229

■ 27.7352, 37.3136,
33.8275

■ 34.4258, 40.6094,
41.0674

■ 25.1333, 36.0416,
30.5731

■ 38.5634, 42.6583,
45.0634

■ 22.9910, 35.0018,
27.5551

■ 43.2590, 44.9897,
49.3169

■ 21.2778, 34.1785,
24.7676

■ 48.5334, 47.6142,
53.8327

■ 19.9592, 33.5541,
22.2044

■ 54.4063, 50.5420,
58.6154

■ 18.9952, 33.1081,
19.8589

■ 60.8964, 53.7827,
63.6696

■ 18.3211, 32.8072,
17.7232

■ 68.0216, 57.3453,
68.9998

■ 18.2058, 32.7561,
17.3379

■ 69.9029, 58.1990,
74.3343

■ 70.9566, 58.6205,
79.8832

Harmonies

Analogous

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



32.4161, 38.8303, 29.9965



30.8232, 38.8303, 37.3229



30.7903, 38.8303, 47.2287

Triad

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



30.8232, 38.8303, 37.3229



38.5969, 38.8303, 63.7220



41.9049, 38.8303, 30.2279

Complementary

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



30.8232, 38.8303, 37.3229



31.5856, 27.1062, 32.4230

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.



43.7845, 38.8303, 37.6889



30.8232, 38.8303, 37.3229



41.7947, 38.8303, 57.5275

Square

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



30.8232, 38.8303, 37.3229



35.1331, 38.8303, 63.5824



43.7430, 38.8303, 47.6568



38.7397, 38.8303, 26.3615

Rectangle

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



30.8232, 38.8303, 37.3229



31.6496, 38.8303, 54.0687



43.7430, 38.8303, 47.6568



42.7166, 38.8303, 32.3423

Sweetspot

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



30.8243, 38.8319, 37.3238



69.8909, 77.3357, 81.6803



32.4878, 39.9326, 26.4180



15.2215, 17.0034, 17.8494



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.



30.8243, 38.8319, 37.3238



52.1527, 68.5751, 63.5113



32.3667, 38.6601, 47.8777



8.5815, 9.5671, 10.0561



13.0579, 23.4491, 12.5737



0.4396, 0.7493, 0.5469

Inverse Universe

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



31.5856, 27.1062, 32.4230



53.7743, 43.6220, 53.0890



30.3068, 27.1230, 24.0604



8.6465, 8.5653, 9.6369



14.1597, 7.1815, 6.0012



0.4750, 0.2378, 0.3442

Previews

White Background



This preview shows how the XYZ color 30.8232, 38.8303, 37.3229 looks on a white background.

Color Contrast Check

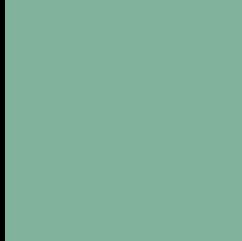
Large Text (above 18pt) WCAG AA × Fail

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 30.8232, 38.8303, 37.3229 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

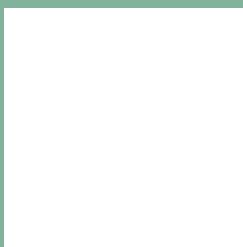
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8232, 38.8303, 37.3229

Background



This preview shows how black text looks on a background with the XYZ color 30.8232, 38.8303, 37.3229.



This preview shows how white text looks on a background with the XYZ color 30.8232, 38.8303,

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

30.8232, 38.8303, 37.3229

Protanopia

36.5968, 38.4731, 34.3514

Deuteranopia

39.3397, 38.4669, 38.6091



Tritanopia

33.9372, 38.9283, 52.7389

Trichromacy



Original Color

30.8232, 38.8303, 37.3229

Protanomaly

33.9468, 38.1845, 35.2869

Deuteranomaly

35.5938, 38.1400, 38.2866

Tritanomaly

32.6822, 38.7001, 46.8216

Monochromacy



Original Color

30.8232, 38.8303, 37.3229

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.4712, 36.5302, 38.1405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8232, 38.8303, 37.3229 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.8232, 38.8303, 37.3229 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, 156) }
```


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

```
.border{ border-color:rgb(128, 178, 156) }
```

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, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 156);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8232, 38.8303, 37.3229 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, 156) }
```

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

```
.background{ background-color: rgb(128,  
178, 156) }
```

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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