

Converting Colors

XYZ(30.9333, 36.9625, 38.8667)

Have a look what the booklet for
XYZ(30.9333, 36.9625, 38.8667)
contains.

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Color

**XYZ(30.8997, 36.8148,
38.7351)**

Conversions

Conversions Part 1

Format	Color
Hex	87ABA0
RGB	135, 171, 160
RGB Percent	53%, 67%, 63%
CMY	0.4706, 0.3294, 0.3725
CMYK	0.21, 0.00, 0.06, 0.33
HSL	162°, 18%, 60%
HSV	162°, 21%, 67%
XYZ	30.8997, 36.8148, 38.7351
YIQ	158.9820, -17.9250, -11.0530

Conversions

Conversions Part 2

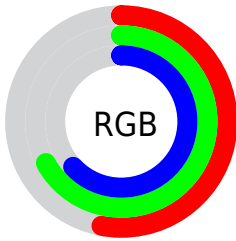
Format	Color
RYB	135, 156, 171
Decimal	8891296
CIELab	67.14, -14.55, 1.63
CIElCh	67, 14.641, 173.618
Yxy	36.8148, 0.2903, 0.3458
Android (android.graphics.Color)	4287081376 (0xFF87ABA0)
YUV	158.9820, 0.5019, -21.0322
Hunter-Lab	60.6752, -15.2780, 4.6219

Details

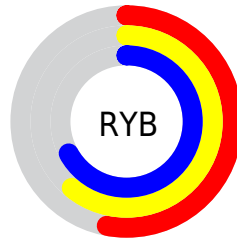
The XYZ color **30.8997, 36.8148, 38.7351** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.6481, 28.0620, 30.9967**, and the grayscale version is **32.9509, 34.6669, 37.7522**.

A 20% lighter version of the original color is **60.4484, 70.1178, 74.6381**, and **13.0133, 16.1826, 16.9057** is the 20% darker color. If you saturate the color by 10%, you get **27.9189, 35.3309, 36.2596**, and if you desaturate by 10%, it is **34.3437, 38.5373, 41.3342**.

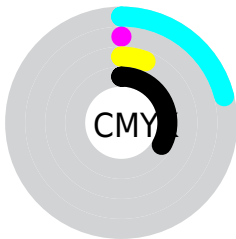
Distribution



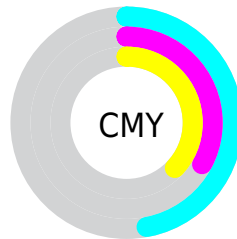
- Red (53%)
- Green (67%)
- Blue (63%)



- Red (53%)
- Yellow (61%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)





- Cyan (47%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8997, 36.8148, 38.7351 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 30.8997, 36.8148, 38.7351 by changing the saturation by 10% instead.


 30.8997, 36.8148,
38.7351


 30.8997, 36.8148,
38.7351


297.9111,
332.5080, 356.1552


 20.6739, 25.0641,
26.2475


 60.4590, 70.2879,
74.4493

 12.9970, 16.1248,
16.7814

 80.5233, 92.7790,
98.5130

 7.5034, 9.6125,
9.9185


 104.5978,
119.6192, 127.2725

 3.8280, 5.1428,
5.2400

133.0479,
151.1926, 161.1463

 1.6053, 2.3313,
2.3276

166.2389,
187.8839, 200.5529

 0.3959, 0.7902,
0.7466

204.5362,

 0.0000, 0.0000,

230.0773, 245.9109

0.0000

248.3052,
278.1572, 297.6388

■ 30.8997, 36.8148,
38.7351

■ 30.8997, 36.8148,
38.7351

■ 27.9189, 35.3309,
36.2596

■ 34.3437, 38.5373,
41.3342

■ 25.3769, 34.0699,
33.9030

■ 38.2678, 40.5040,
44.0564

■ 23.2518, 33.0218,
31.6638

■ 42.6916, 42.7261,
46.9048

■ 21.5183, 32.1734,
29.5395

■ 47.6327, 45.2126,
49.8813

■ 20.1486, 31.5103,
27.5276

■ 53.1081, 47.9722,
52.9877

■ 19.1107, 31.0163,
25.6252

■ 59.1337, 51.0131,
56.2260

■ 18.3670, 30.6719,
23.8293

■ 65.7249, 54.3432,
59.5980

■ 17.8781, 30.4530,
22.3083

■ 66.4416, 54.6424,
62.8034

■ 67.0703, 54.8939,
66.1140

Harmonies

Analogous

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



31.6507, 36.8148, 33.2315



30.8997, 36.8148, 38.7351



31.2069, 36.8148, 45.2103

Triad

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



30.8997, 36.8148, 38.7351



36.7380, 36.8148, 52.4256



37.5976, 36.8148, 30.9870

Complementary

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



30.8997, 36.8148, 38.7351



30.6481, 28.0620, 30.9967

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.



39.0700, 36.8148, 35.3626



30.8997, 36.8148, 38.7351



38.5591, 36.8148, 47.8215

Square

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



30.8997, 36.8148, 38.7351



34.5168, 36.8148, 53.5733



39.4292, 36.8148, 41.4660



35.4703, 36.8148, 29.0751

Rectangle

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



30.8997, 36.8148, 38.7351



31.9773, 36.8148, 49.1697



39.4292, 36.8148, 41.4660



38.1891, 36.8148, 32.1945

Sweetspot

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



30.9007, 36.8163, 38.7359



64.8721, 70.7016, 76.4080



30.8625, 37.0244, 28.4419



14.3690, 15.7178, 16.9713



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.9007, 36.8163, 38.7359



52.8962, 64.7148, 67.3980



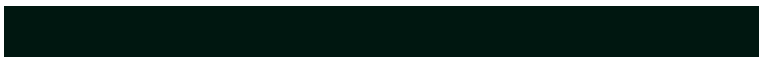
30.6906, 34.7869, 43.6269



8.1305, 9.0298, 9.7123



13.5011, 22.9657, 16.9441



0.3985, 0.6480, 0.5918

Inverse Universe

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



30.6481, 28.0620, 30.9967



52.3674, 46.3524, 51.1706



30.7825, 29.6353, 27.0198



8.1023, 8.0542, 8.8493



13.1534, 6.7239, 3.1870



0.3906, 0.1969, 0.2188

Previews

White Background



This preview shows how the XYZ color 30.8997, 36.8148, 38.7351 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 30.8997, 36.8148, 38.7351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

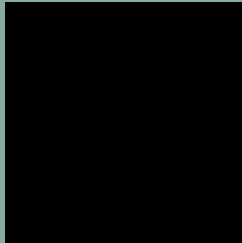
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

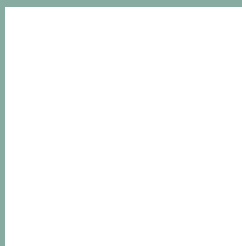
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8997, 36.8148, 38.7351

Background



This preview shows how black text looks on a background with the XYZ color 30.8997, 36.8148, 38.7351.



This preview shows how white text looks on a background with the XYZ color 30.8997, 36.8148,

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

30.8997, 36.8148, 38.7351

Protanopia

34.9852, 36.5320, 36.2178

Deuteranopia

37.4281, 36.6818, 39.7579



Tritanopia

32.9906, 36.8304, 49.0863

Trichromacy



Original Color

30.8997, 36.8148, 38.7351

Protanomaly

33.2512, 36.4125, 37.1741

Deuteranomaly

34.7230, 36.5896, 39.4148

Tritanomaly

32.2120, 36.7963, 44.9398

Monochromacy



Original Color

30.8997, 36.8148, 38.7351

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9329, 35.1816, 37.9086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8997, 36.8148, 38.7351 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(135, 171, 160)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 160)  
}
```

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(135, 171, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.8997, 36.8148, 38.7351 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(135, 171, 160) }
```


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

```
.border{ border-color:rgb(135, 171, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 160);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8997, 36.8148, 38.7351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 160) }
```

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

```
.background{ background-color: rgb(135,  
171, 160) }
```

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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