

Converting Colors

XYZ(30.5833, 36.8704, 37.0066)

Have a look what the booklet for
XYZ(30.5833, 36.8704, 37.0066)
contains.

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Color

**XYZ(30.5848, 36.9737,
36.9771)**

Conversions

Conversions Part 1

Format	Color
Hex	86AC9C
RGB	134, 172, 156
RGB Percent	53%, 67%, 61%
CMY	0.4745, 0.3255, 0.3882
CMYK	0.22, 0.00, 0.09, 0.33
HSL	155°, 19%, 60%
HSV	155°, 22%, 67%
XYZ	30.5848, 36.9737, 36.9771
YIQ	158.8140, -17.5120, -13.0320

Conversions

Conversions Part 2

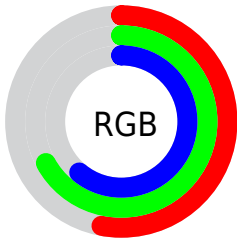
Format	Color
RYB	134, 158, 172
Decimal	8826012
CIELab	67.26, -16.24, 4.01
CIElCh	67, 16.725, 166.126
Yxy	36.9737, 0.2926, 0.3537
Android (android.graphics.Color)	4287016092 (0xFF86AC9C)
YUV	158.8140, -1.3873, -21.7619
Hunter-Lab	60.8060, -16.6268, 6.5090

Details

The XYZ color **30.5848, 36.9737, 36.9771** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.0447, 28.0238, 32.6287**, and the grayscale version is **32.8824, 34.5948, 37.6738**.

A 20% lighter version of the original color is **59.8410, 70.2827, 71.3847**, and **12.8336, 16.2919, 15.8328** is the 20% darker color. If you saturate the color by 10%, you get **27.4682, 35.4368, 33.7250**, and if you desaturate by 10%, it is **34.1860, 38.7582, 40.4444**.

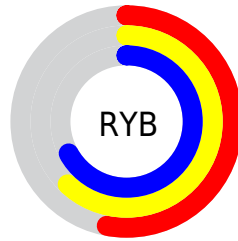
Distribution



Red (53%)

Green (67%)

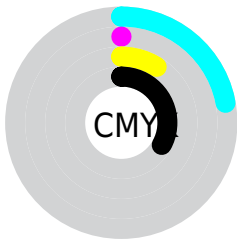
Blue (61%)



Red (53%)

Yellow (62%)

Blue (67%)

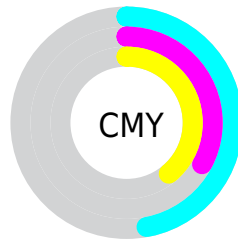


Cyan (22%)

Magenta (0%)

Yellow (9%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5848, 36.9737, 36.9771 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 30.5848, 36.9737, 36.9771 by changing the saturation by 10% instead.

■ 30.5848, 36.9737,
36.9771

■ 30.5848, 36.9737,
36.9771

296.4821,
333.1966, 348.3771

■ 20.4332, 25.1871,
24.8941

■ 59.9661, 70.5323,
71.7235

■ 12.8204, 16.2165,
15.7799

■ 79.9264, 93.0732,
95.2240

■ 7.3811, 9.6775,
9.2159

■ 103.8871,
119.9676, 123.3674

■ 3.7500, 5.1857,
4.7835

132.2134,
151.5999, 156.5723

■ 1.5617, 2.3566,
2.0643

165.2707,
188.3546, 195.2571

■ 0.3673, 0.8034,
0.5944

203.4243,

■ 0.0000, 0.0000,

230.6160, 239.8405

0.0000

247.0397,
278.7686, 290.7410

■ 30.5848, 36.9737,
36.9771

■ 30.5848, 36.9737,
36.9771

■ 27.4682, 35.4368,
33.7250

■ 34.1860, 38.7582,
40.4444

■ 24.8109, 34.1315,
30.6812

■ 38.2893, 40.7962,
44.1287

■ 22.5899, 33.0471,
27.8421

■ 42.9153, 43.0994,
48.0347

■ 20.7791, 32.1702,
25.2030

■ 48.0823, 45.6769,
52.1663

■ 19.3493, 31.4857,
22.7590

■ 53.8078, 48.5380,
56.5275

■ 18.2673, 30.9766,
20.5047

■ 60.1085, 51.6909,
61.1219

■ 17.4934, 30.6227,
18.4345

■ 67.0004, 55.1440,
65.9531

■ 17.0329, 30.4183,
16.9224

■ 68.1238, 55.6187,
70.7263

■ 69.0694, 55.9969,
75.7060

Harmonies

Analogous

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



31.7181, 36.9737, 31.2715



30.5848, 36.9737, 36.9771



30.6304, 36.9737, 44.2943

Triad

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



30.5848, 36.9737, 36.9771



36.5248, 36.9737, 55.3460



38.6590, 36.9737, 30.9423

Complementary

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



30.5848, 36.9737, 36.9771



31.0447, 28.0238, 32.6287

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.



40.0771, 36.9737, 36.4748



30.5848, 36.9737, 36.9771



38.8047, 36.9737, 50.8199

Square

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



30.5848, 36.9737, 36.9771



33.9773, 36.9737, 55.5231



40.1316, 36.9737, 43.7276



36.3338, 36.9737, 28.0837

Rectangle

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



30.5848, 36.9737, 36.9771



31.3211, 36.9737, 49.1372



40.1316, 36.9737, 43.7276



39.2625, 36.9737, 32.5187

Sweetspot

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



30.5858, 36.9752, 36.9779



65.5975, 72.0877, 76.6395



31.7206, 37.7563, 28.1707



14.1647, 15.6210, 16.5735



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.



30.5858, 36.9752, 36.9779



52.3300, 65.5174, 63.8520



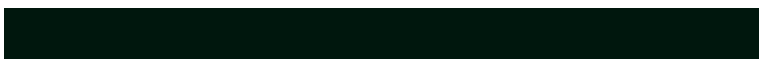
31.5541, 36.5984, 44.4327



8.0915, 9.0142, 9.5070



12.7025, 22.6463, 12.7392



0.3799, 0.6406, 0.4941

Inverse Universe

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



31.0447, 28.0238, 32.6287



53.3271, 46.0832, 54.4137



30.1969, 28.2517, 26.4164



8.1399, 8.0692, 9.0476



13.5678, 6.8897, 5.3693



0.4052, 0.2027, 0.2953

Previews

White Background



This preview shows how the XYZ color 30.5848, 36.9737, 36.9771 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 30.5848, 36.9737, 36.9771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

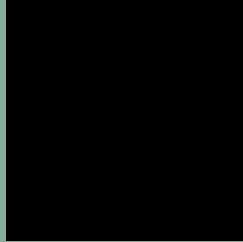
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5848, 36.9737, 36.9771

Background



This preview shows how black text looks on a background with the XYZ color 30.5848, 36.9737, 36.9771.

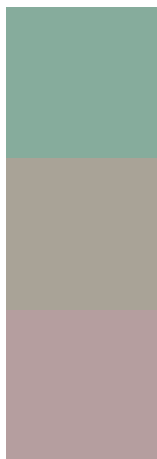


This preview shows how white text looks on a background with the XYZ color 30.5848, 36.9737,

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

30.5848, 36.9737, 36.9771

Protanopia

35.0453, 36.8638, 34.5465

Deuteranopia

37.5409, 36.7807, 37.9216



Tritanopia

33.0936, 36.8716, 49.6287

Trichromacy



Original Color

30.5848, 36.9737, 36.9771

Protanomaly

33.0963, 36.6403, 35.4649

Deuteranomaly

34.5786, 36.5555, 37.5812

Tritanomaly

32.0473, 36.7114, 44.9321

Monochromacy



Original Color

30.5848, 36.9737, 36.9771

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0247, 35.5036, 37.5127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5848, 36.9737, 36.9771 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(134, 172, 156)` looks like.

```
.text, #text, p{  
    color:rgb(134, 172, 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(134, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 172, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.5848, 36.9737, 36.9771 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(134, 172, 156) }
```


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

```
.border{ border-color:rgb(134, 172, 156) }
```

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

Here you see how a box with a 4 pixel rgb(134, 172, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(134, 172,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5848, 36.9737, 36.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 172, 156) }
```

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

```
.background{ background-color: rgb(134,  
172, 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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