

Converting Colors

XYZ(30.8223, 37.1058, 36.5480)

Have a look what the booklet for
XYZ(30.8223, 37.1058, 36.5480)
contains.

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Color

**XYZ(30.8223, 37.1058,
36.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	88AC9B
RGB	136, 172, 155
RGB Percent	53%, 67%, 61%
CMY	0.4667, 0.3255, 0.3922
CMYK	0.21, 0.00, 0.10, 0.33
HSL	152°, 18%, 60%
HSV	152°, 21%, 67%
XYZ	30.8223, 37.1058, 36.5480
YIQ	159.2980, -15.9990, -12.9190

Conversions

Conversions Part 2

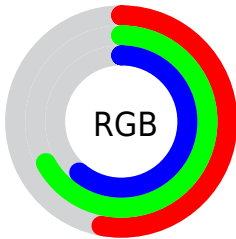
Format	Color
RYB	136, 160, 172
Decimal	8957083
CIELab	67.36, -15.78, 4.72
CIElCh	67, 16.471, 163.336
Yxy	37.1058, 0.2950, 0.3552
Android (android.graphics.Color)	4287147163 (0xFF88AC9B)
YUV	159.2980, -2.1189, -20.4323
Hunter-Lab	60.9145, -16.2808, 7.0669

Details

The XYZ color **30.8223, 37.1058, 36.5480** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.5685, 28.6799, 34.0106**, and the grayscale version is **33.1065, 34.8306, 37.9306**.

A 20% lighter version of the original color is **60.2129, 70.4888, 70.7537**, and **12.9615, 16.3637, 15.5721** is the 20% darker color. If you saturate the color by 10%, you get **27.5906, 35.5170, 32.9550**, and if you desaturate by 10%, it is **34.5503, 38.9472, 40.4054**.

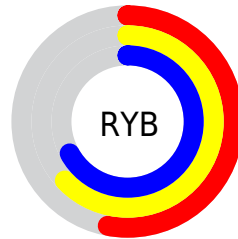
Distribution



Red (53%)

Green (67%)

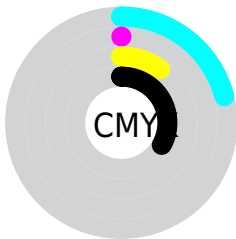
Blue (61%)



Red (53%)

Yellow (63%)

Blue (67%)

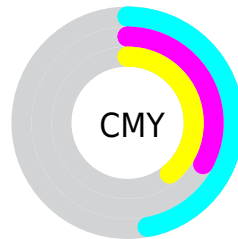


Cyan (21%)

Magenta (0%)

Yellow (10%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8223, 37.1058, 36.5480 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 30.8223, 37.1058, 36.5480 by changing the saturation by 10% instead.

■ 30.8223, 37.1058,
36.5480

■ 30.8223, 37.1058,
36.5480

297.5603,
333.7683, 346.4590

■ 20.6147, 25.2894,
24.5647

■ 60.3379, 70.7355,
71.0556

■ 12.9535, 16.2928,
15.5370

■ 80.3767, 93.3176,
94.4170

■ 7.4733, 9.7316,
9.0463

■ 104.4233,
120.2570, 122.4081

■ 3.8088, 5.2214,
4.6742

132.8430,
151.9382, 155.4475

■ 1.5945, 2.3777,
2.0020

166.0012,
188.7455, 193.9538

■ 0.3888, 0.8144,
0.5565

204.2633,

■ 0.0000, 0.0000,

231.0634, 238.3454

0.0000

247.9945,
279.2762, 289.0410

■ 30.8223, 37.1058,
36.5480

■ 30.8223, 37.1058,
36.5480

■ 27.5906, 35.5170,
32.9550

■ 34.5503, 38.9472,
40.4054

■ 24.8299, 34.1648,
29.6183

■ 38.7922, 41.0470,
44.5301

■ 22.5172, 33.0385,
26.5326

■ 43.5687, 43.4170,
48.9285

■ 20.6262, 32.1245,
23.6918

■ 48.8983, 46.0665,
53.6056

■ 19.1279, 31.4082,
21.0894

■ 54.7987, 49.0046,
58.5666

■ 17.9892, 30.8725,
18.7184

■ 61.2865, 52.2397,
63.8161

■ 17.1713, 30.4975,
16.5716

■ 67.8595, 55.5129,
69.3349

■ 16.6317, 30.2578,
14.8101

■ 68.9095, 55.9329,
74.8642

■ 70.0118, 56.3738,
80.6690

Harmonies

Analogous

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



32.0428, 37.1058, 31.1171



30.8223, 37.1058, 36.5480



30.7557, 37.1058, 43.6916

Triad

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



30.8223, 37.1058, 36.5480



36.3987, 37.1058, 55.4820



38.9148, 37.1058, 31.5988

Complementary

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



30.8223, 37.1058, 36.5480



31.5685, 28.6799, 34.0106

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.



40.2012, 37.1058, 37.2816



30.8223, 37.1058, 36.5480



38.7025, 37.1058, 51.3712

Square

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



30.8223, 37.1058, 36.5480



33.8953, 37.1058, 55.2245



40.1218, 37.1058, 44.5176



36.6772, 37.1058, 28.5017

Rectangle

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



30.8223, 37.1058, 36.5480



31.3688, 37.1058, 48.5268



40.1218, 37.1058, 44.5176



39.4775, 37.1058, 33.2386

Sweetspot

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



30.8233, 37.1073, 36.5488



66.2692, 72.4301, 76.8458



32.4102, 38.0955, 28.9382



14.2984, 15.6895, 16.5995



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.



30.8233, 37.1073, 36.5488



53.1579, 65.9573, 63.2987



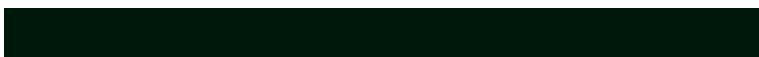
32.2396, 37.4915, 44.5688



8.0744, 9.0073, 9.4170



12.4041, 22.5269, 11.1678



0.3725, 0.6376, 0.4549

Inverse Universe

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



31.5685, 28.6799, 34.0106



54.7497, 47.9583, 57.8788



30.3472, 28.3270, 27.1614



8.1568, 8.0760, 9.1364



13.7996, 6.9824, 6.5903



0.4117, 0.2054, 0.3297

Previews

White Background



This preview shows how the XYZ color 30.8223, 37.1058, 36.5480 looks on a white background.

Color Contrast Check

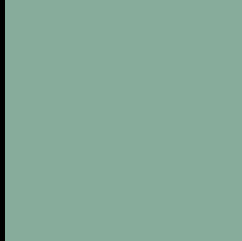
Large Text (above 18pt) WCAG AA × Fail

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 30.8223, 37.1058, 36.5480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

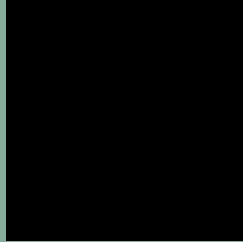
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8223, 37.1058, 36.5480

Background



This preview shows how black text looks on a background with the XYZ color 30.8223, 37.1058, 36.5480.

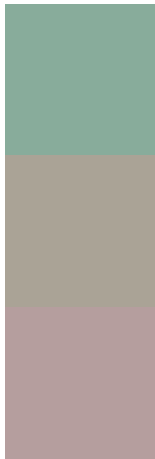


This preview shows how white text looks on a background with the XYZ color 30.8223, 37.1058,

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

30.8223, 37.1058, 36.5480

Protanopia

35.1798, 36.9424, 34.1306

Deuteranopia

37.4545, 36.7461, 37.4664



Tritanopia

33.4306, 37.0454, 49.6445

Trichromacy



Original Color

30.8223, 37.1058, 36.5480

Protanomaly

33.4043, 36.8085, 35.0499

Deuteranomaly

34.7000, 36.6280, 37.1393

Tritanomaly

32.2818, 36.8435, 44.4398

Monochromacy



Original Color

30.8223, 37.1058, 36.5480

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2095, 35.5989, 37.5214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8223, 37.1058, 36.5480 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(136, 172, 155)` looks like.

```
.text, #text, p{  
    color:rgb(136, 172, 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(136, 172, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 172, 155) }
```

Border

The CSS property to change the border of an element to XYZ 30.8223, 37.1058, 36.5480 is called "border". The border property can be set on classes, ids or directly on the HTML element.

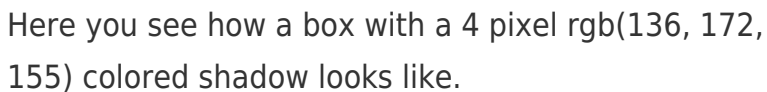
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 172, 155) }
```


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

```
.border{ border-color:rgb(136, 172, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 172, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 172, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 172, 155); box-shadow:4px 4px 4px 4px rgb(136, 172, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8223, 37.1058, 36.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 172, 155) }
```

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

```
.background{ background-color: rgb(136,  
172, 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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