

Converting Colors

XYZ(30.8675, 36.1812, 38.7317)

Have a look what the booklet for
XYZ(30.8675, 36.1812, 38.7317)
contains.

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Color

**XYZ(30.8497, 36.2324,
38.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	89A9A0
RGB	137, 169, 160
RGB Percent	54%, 66%, 63%
CMY	0.4627, 0.3372, 0.3725
CMYK	0.19, 0.00, 0.05, 0.34
HSL	163°, 16%, 60%
HSV	163°, 19%, 66%
XYZ	30.8497, 36.2324, 38.6253
YIQ	158.4060, -16.1830, -9.5830

Conversions

Conversions Part 2

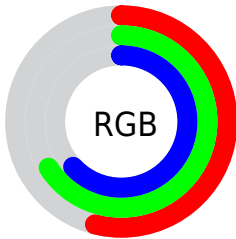
Format	Color
RYB	137, 156, 169
Decimal	9021856
CIELab	66.70, -12.84, 1.00
CIElCh	67, 12.875, 175.538
Yxy	36.2324, 0.2918, 0.3428
Android (android.graphics.Color)	4287211936 (0xFF89A9A0)
YUV	158.4060, 0.7858, -18.7731
Hunter-Lab	60.1934, -13.8553, 4.0897

Details

The XYZ color **30.8497, 36.2324, 38.6253** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4975, 28.4027, 31.0707**, and the grayscale version is **32.6864, 34.3887, 37.4493**.

A 20% lighter version of the original color is **60.4073, 69.2940, 74.4813**, and **13.0521, 15.8529, 16.8400** is the 20% darker color. If you saturate the color by 10%, you get **27.8856, 34.7525, 36.3574**, and if you desaturate by 10%, it is **34.2657, 37.9454, 40.9989**.

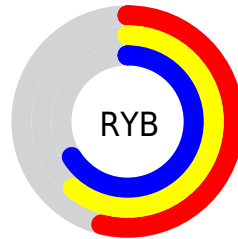
Distribution



Red (54%)

Green (66%)

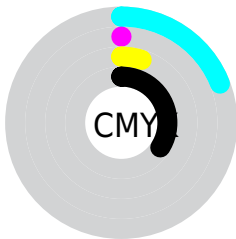
Blue (63%)



Red (54%)

Yellow (61%)

Blue (66%)

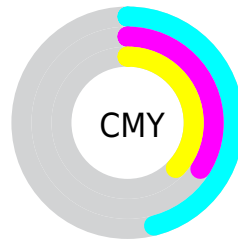


Cyan (19%)

Magenta (0%)

Yellow (5%)

Black (34%)



Cyan (46%)


Magenta (34%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8497, 36.2324, 38.6253 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 30.8497, 36.2324, 38.6253 by changing the saturation by 10% instead.


 30.8497, 36.2324,
38.6253


 30.8497, 36.2324,
38.6253


297.6846,
329.9752, 355.6731


 20.6357, 24.6137,
26.1628


 60.3808, 69.3906,
74.2796

 12.9689, 15.7895,
16.7186

 80.4286, 91.6990,
98.3084

 7.4840, 9.3753,
9.8742


 104.4851,
118.3393, 127.0297

 3.8156, 4.9868,
5.2111

132.9156,
149.6961, 160.8621

 1.5983, 2.2395,
2.3108

166.0854,
186.1537, 200.2241

 0.3913, 0.7414,
0.7372

204.3599,

 0.0000, 0.0000,

228.0964, 245.5343

0.0000

248.1045,
275.9088, 297.2111

■ 30.8497, 36.2324,
38.6253

■ 30.8497, 36.2324,
38.6253

■ 27.8856, 34.7525,
36.3574

■ 34.2657, 37.9454,
40.9989

■ 25.3500, 33.4907,
34.1909

■ 38.1496, 39.8968,
43.4776

■ 23.2221, 32.4372,
32.1247

■ 42.5203, 42.0972,
46.0639

■ 21.4779, 31.5798,
30.1567

■ 47.3947, 44.5555,
48.7595

■ 20.0910, 30.9048,
28.2847

■ 52.7889, 47.2797,
51.5660

■ 19.0314, 30.3968,
26.5064

■ 58.7183, 50.2780,
54.4849

■ 18.2640, 30.0378,
24.8190

■ 65.0856, 53.5001,
57.5126

■ 17.7220, 29.7932,
23.2184

■ 65.6257, 53.7161,
60.3566

■ 17.6682, 29.7691,
23.0527

■ 66.1830, 53.9390,
63.2913

Harmonies

Analogous

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



31.4517, 36.2324, 33.7070



30.8497, 36.2324, 38.6253



31.1792, 36.2324, 44.2402

Triad

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



30.8497, 36.2324, 38.6253



36.0718, 36.2324, 49.9014



36.5929, 36.2324, 31.2788

Complementary

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



30.8497, 36.2324, 38.6253



30.4975, 28.4027, 31.0707

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.



37.9159, 36.2324, 35.0204



30.8497, 36.2324, 38.6253



37.6072, 36.2324, 45.8129

Square

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



30.8497, 36.2324, 38.6253



34.1483, 36.2324, 51.0942



38.2939, 36.2324, 40.2882



34.7289, 36.2324, 29.7262

Rectangle

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



30.8497, 36.2324, 38.6253



31.8895, 36.2324, 47.5810



38.2939, 36.2324, 40.2882



37.1184, 36.2324, 32.3041

Sweetspot

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



30.8507, 36.2339, 38.6261



63.2457, 68.8990, 74.6594



30.5704, 36.3008, 29.0631



13.6946, 14.9717, 16.2137



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.8507, 36.2339, 38.6261



52.7751, 63.6525, 67.3326



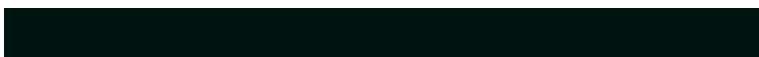
30.4112, 34.0485, 42.5071



7.6562, 8.4955, 9.1757



13.1911, 22.1952, 17.3050



0.3411, 0.5481, 0.5272

Inverse Universe

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



30.4975, 28.4027, 31.0707



52.0183, 46.8519, 51.1286



30.8419, 30.1686, 27.8651



7.6146, 7.5757, 8.2879



12.6055, 6.4509, 2.7344



0.3281, 0.1655, 0.1794

Previews

White Background



This preview shows how the XYZ color 30.8497, 36.2324, 38.6253 looks on a white background.

Color Contrast Check

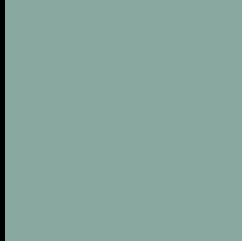
Large Text (above 18pt) WCAG AA × Fail

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 30.8497, 36.2324, 38.6253 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

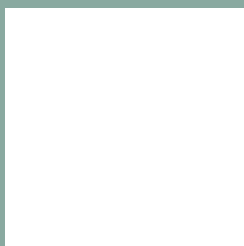
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8497, 36.2324, 38.6253

Background



This preview shows how black text looks on a background with the XYZ color 30.8497, 36.2324, 38.6253.



This preview shows how white text looks on a background with the XYZ color 30.8497, 36.2324,

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

30.8497, 36.2324, 38.6253

Protanopia

34.4715, 35.9970, 36.5838

Deuteranopia

36.7993, 36.1054, 39.6798



Tritanopia

32.7574, 36.1898, 47.9067

Trichromacy



Original Color

30.8497, 36.2324, 38.6253

Protanomaly

32.8788, 35.9538, 37.1052

Deuteranomaly

34.1667, 35.7798, 39.2878

Tritanomaly

32.0803, 36.1914, 44.3246

Monochromacy



Original Color

30.8497, 36.2324, 38.6253

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7560, 34.8279, 37.8496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8497, 36.2324, 38.6253 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(137, 169, 160)` looks like.

```
.text, #text, p{  
    color:rgb(137, 169, 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(137, 169, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 169, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.8497, 36.2324, 38.6253 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(137, 169, 160) }
```


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

```
.border{ border-color:rgb(137, 169, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 169, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 169, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 169, 160);  
box-shadow:4px 4px 4px 4px rgb(137, 169,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8497, 36.2324, 38.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 169, 160) }
```

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

```
.background{ background-color: rgb(137,  
169, 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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