

Converting Colors

XYZ(31.5578, 36.8151, 42.2796)

Have a look what the booklet for
XYZ(31.5578, 36.8151, 42.2796)
contains.

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Color

**XYZ(31.5960, 36.8108,
42.4857)**

Conversions

Conversions Part 1

Format	Color
Hex	88AAA8
RGB	136, 170, 168
RGB Percent	53%, 67%, 66%
CMY	0.4667, 0.3333, 0.3412
CMYK	0.20, 0.00, 0.01, 0.33
HSL	176°, 17%, 60%
HSV	176°, 20%, 67%
XYZ	31.5960, 36.8108, 42.4857
YIQ	159.6060, -19.6220, -7.8300

Conversions

Conversions Part 2

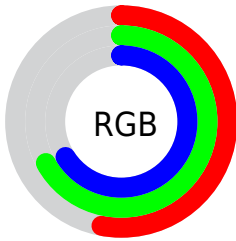
Format	Color
RYB	136, 154, 170
Decimal	8956584
CIELab	67.13, -11.97, -2.81
CIELCh	67, 12.300, 193.213
Yxy	36.8108, 0.2849, 0.3320
Android (android.graphics.Color)	4287146664 (0xFF88AAA8)
YUV	159.6060, 4.1382, -20.7025
Hunter-Lab	60.6719, -13.2187, 0.9523

Details

The XYZ color **31.5960, 36.8108, 42.4857** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.9705, 27.9905, 27.8695**, and the grayscale version is **33.2212, 34.9513, 38.0620**.

A 20% lighter version of the original color is **61.4797, 70.1253, 80.1072**, and **13.3771, 16.1491, 18.9350** is the 20% darker color. If you saturate the color by 10%, you get **28.9584, 35.4628, 41.8780**, and if you desaturate by 10%, it is **34.6744, 38.3879, 43.1193**.

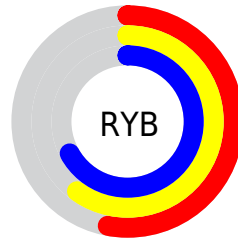
Distribution



Red (53%)

Green (67%)

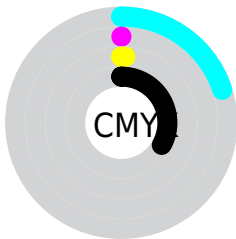
Blue (66%)



Red (53%)

Yellow (60%)

Blue (67%)

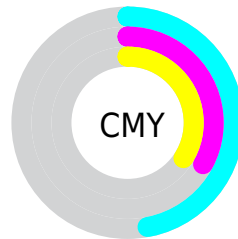


Cyan (20%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5960, 36.8108, 42.4857 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 31.5960, 36.8108, 42.4857 by changing the saturation by 10% instead.

■ 31.5960, 36.8108,
42.4857

■ 31.5960, 36.8108,
42.4857

301.0529,
332.4907, 372.3513

■ 21.2072, 25.0610,
29.1534

■ 61.5467, 70.2817,
80.2122

■ 13.3888, 16.1225,
18.9503

■ 81.8392, 92.7716,
105.4435

■ 7.7757, 9.6109,
11.4579

■ 106.1637,
119.6104, 135.4781

■ 4.0023, 5.1417,
6.2577

134.8855,
151.1824, 170.7347

■ 1.7035, 2.3307,
2.9311

168.3700,
187.8720, 211.6318

■ 0.4584, 0.7899,
1.0596

206.9825,

■ 0.0000, 0.0000,

230.0637, 258.5879

0.0000

251.0883,
278.1418, 312.0215

■ 31.5960, 36.8108,
42.4857

■ 31.5960, 36.8108,
42.4857

■ 28.9584, 35.4628,
41.8780

■ 34.6744, 38.3879,
43.1193

■ 26.7379, 34.3287,
41.2929

■ 38.2096, 40.1995,
43.7772

■ 24.9131, 33.3986,
40.7300

■ 42.2208, 42.2563,
44.4612

■ 23.4599, 32.6599,
40.1881

■ 46.7251, 44.5673,
45.1721

■ 22.3511, 32.0987,
39.6662

■ 51.7388, 47.1408,
45.9105

■ 21.5562, 31.6992,
39.1626

■ 57.2774, 49.9848,
46.6773

■ 21.0390, 31.4428,
38.6757

■ 63.3540, 53.1061,
47.4731

■ 20.7199, 31.2885,
38.2018

■ 63.4527, 53.1456,
47.9930

■ 63.5522, 53.1854,
48.5166

Harmonies

Analogous

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



31.6504, 36.8108, 37.1739



31.5960, 36.8108, 42.4857



32.4269, 36.8108, 47.5690

Triad

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



31.5960, 36.8108, 42.4857



37.5129, 36.8108, 48.0809



36.0385, 36.8108, 30.9915

Complementary

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



31.5960, 36.8108, 42.4857



29.9705, 27.9905, 27.8695

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.



37.6796, 36.8108, 33.4227



31.5960, 36.8108, 42.4857



38.5515, 36.8108, 43.1353

Square

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



31.5960, 36.8108, 42.4857



35.8175, 36.8108, 50.9884



38.6135, 36.8108, 37.7682



34.1705, 36.8108, 30.8514

Rectangle

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



31.5960, 36.8108, 42.4857



33.3888, 36.8108, 50.0153



38.6135, 36.8108, 37.7682



36.6365, 36.8108, 31.5573

Sweetspot

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



31.5971, 36.8123, 42.4865



65.3057, 70.8751, 78.6912



29.3453, 35.9546, 28.6867



14.4755, 15.7603, 17.5318



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.



31.5971, 36.8123, 42.4865



55.1079, 65.6539, 76.5892



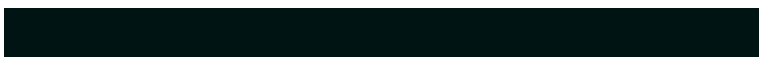
29.1760, 31.6694, 42.6069



7.7282, 8.5243, 9.5548



15.2484, 23.0181, 28.1387



0.3765, 0.5622, 0.7137

Inverse Universe

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



29.9705, 27.9905, 27.8695



51.6146, 46.7041, 45.1939



32.0466, 32.3724, 27.8529



7.5484, 7.5492, 7.9389



12.2424, 6.3057, 0.8219



0.3033, 0.1556, 0.0485

Previews

White Background



This preview shows how the XYZ color 31.5960, 36.8108, 42.4857 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 31.5960, 36.8108, 42.4857 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

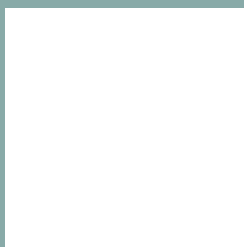
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5960, 36.8108, 42.4857

Background



This preview shows how black text looks on a background with the XYZ color 31.5960, 36.8108, 42.4857.

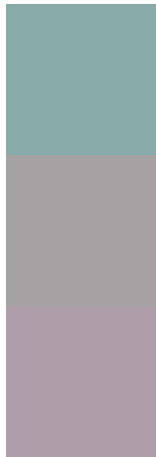


This preview shows how white text looks on a background with the XYZ color 31.5960, 36.8108,

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

31.5960, 36.8108, 42.4857

Protanopia

35.2571, 36.5920, 39.8550

Deuteranopia

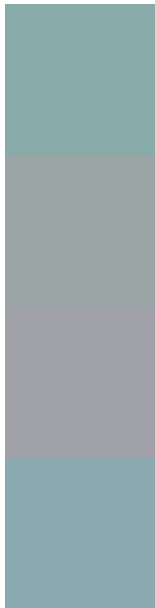
37.1618, 36.4700, 43.1110



Tritanopia

32.9906, 36.8304, 49.0863

Trichromacy



Original Color

31.5960, 36.8108, 42.4857

Protanomaly

33.7642, 36.5954, 40.8814

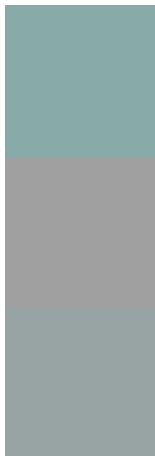
Deuteranomaly

34.7797, 36.2823, 42.7062

Tritanomaly

32.5057, 36.9138, 46.4861

Monochromacy



Original Color

31.5960, 36.8108, 42.4857

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6488, 35.7746, 39.8347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5960, 36.8108, 42.4857 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, 170, 168)` looks like.

```
.text, #text, p{  
    color:rgb(136, 170, 168)  
}
```

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, 170, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.5960, 36.8108, 42.4857 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, 170, 168) }
```


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

```
.border{ border-color:rgb(136, 170, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 170, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 170, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 170, 168);  
box-shadow:4px 4px 4px 4px rgb(136, 170,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5960, 36.8108, 42.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 168) }
```

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

```
.background{ background-color: rgb(136,  
170, 168) }
```

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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