

Converting Colors

XYZ(31.1312, 36.7921, 44.0164)

Have a look what the booklet for
XYZ(31.1312, 36.7921, 44.0164)
contains.

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Color

**XYZ(31.1195, 36.8119,
43.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	82ABAB
RGB	130, 171, 171
RGB Percent	51%, 67%, 67%
CMY	0.4902, 0.3294, 0.3294
CMYK	0.24, 0.00, 0.00, 0.33
HSL	180°, 20%, 59%
HSV	180°, 24%, 67%
XYZ	31.1195, 36.8119, 43.9933
YIQ	158.7410, -24.4360, -8.6920

Conversions

Conversions Part 2

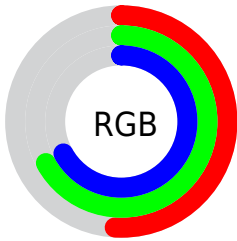
Format	Color
RYB	130, 151, 171
Decimal	8563627
CIELab	67.14, -13.73, -4.52
CIELCh	67, 14.452, 198.219
Yxy	36.8119, 0.2780, 0.3289
Android (android.graphics.Color)	4286753707 (0xFF82ABAB)
YUV	158.7410, 6.0437, -25.2059
Hunter-Lab	60.6728, -14.6235, -0.5197

Details

The XYZ color **31.1195, 36.8119, 43.9933** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.8078, 26.2359, 24.6663**, and the grayscale version is **32.8185, 34.5276, 37.6006**.

A 20% lighter version of the original color is **60.6910, 70.0740, 82.2784**, and **13.1510, 16.1878, 19.8842** is the 20% darker color. If you saturate the color by 10%, you get **28.7117, 35.5716, 43.8809**, and if you desaturate by 10%, it is **33.9654, 38.2800, 44.1277**.

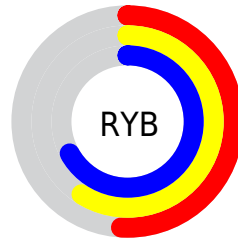
Distribution



Red (51%)

Green (67%)

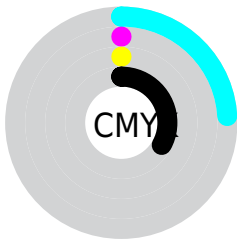
Blue (67%)



Red (51%)

Yellow (59%)

Blue (67%)

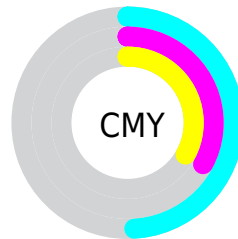


Cyan (24%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (49%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1195, 36.8119, 43.9933 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 31.1195, 36.8119, 43.9933 by changing the saturation by 10% instead.

■ 31.1195, 36.8119,
43.9933

■ 31.1195, 36.8119,
43.9933

298.9055,
332.4954, 378.7215

■ 20.8421, 25.0619,
30.3281

■ 60.8027, 70.2834,
82.5100

■ 13.1205, 16.1232,
19.8336

■ 80.9393, 92.7737,
108.1986

■ 7.5891, 9.6114,
12.0913

■ 105.0930,
119.6128, 138.7321

■ 3.8828, 5.1420,
6.6826

133.6291,
151.1852, 174.5290

■ 1.6360, 2.3308,
3.1890

166.9131,
187.8753, 216.0078

■ 0.4157, 0.7900,
1.1919

205.3103,

■ 0.0000, 0.0000,

230.0674, 263.5872

0.0000

249.1860,
278.1460, 317.6855

■ 31.1195, 36.8119,
43.9933

■ 31.1195, 36.8119,
43.9933

■ 28.7117, 35.5716,
43.8809

■ 33.9654, 38.2800,
44.1277

■ 26.7172, 34.5434,
43.7872

■ 37.2662, 39.9816,
44.2827

■ 25.1137, 33.7168,
43.7117

■ 41.0418, 41.9279,
44.4598

■ 23.8757, 33.0785,
43.6533

■ 45.3099, 44.1282,
44.6600

■ 22.9742, 32.6139,
43.6106

■ 50.0873, 46.5910,
44.8840

■ 22.3765, 32.3057,
43.5822

■ 55.3900, 49.3247,
45.1326

■ 22.0427, 32.1336,
43.5661

■ 61.2334, 52.3371,
45.4066

■ 21.9137, 32.0671,
43.5598

■ 63.1550, 53.3277,
45.4970

■ 63.1551, 53.3277,
45.4974

Harmonies

Analogous

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



31.0058, 36.8119, 37.6571



31.1195, 36.8119, 43.9933



32.2431, 36.8119, 49.8197

Triad

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



31.1195, 36.8119, 43.9933



38.2414, 36.8119, 48.7149



35.8601, 36.8119, 29.3461

Complementary

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



31.1195, 36.8119, 43.9933



28.8078, 26.2359, 24.6663

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.



37.8857, 36.8119, 31.7036



31.1195, 36.8119, 43.9933



39.2986, 36.8119, 42.6086

Square

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



31.1195, 36.8119, 43.9933



36.3290, 36.8119, 52.7365



39.1658, 36.8119, 36.4095



33.6816, 36.8119, 29.6333

Rectangle

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



31.1195, 36.8119, 43.9933



33.4412, 36.8119, 52.4276



39.1658, 36.8119, 36.4095



36.5831, 36.8119, 29.8445

Sweetspot

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



31.1206, 36.8134, 43.9941



64.7887, 70.5965, 79.2131



27.9044, 35.5391, 26.5088



14.3713, 15.7037, 17.6612



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.



31.1206, 36.8134, 43.9941



53.2507, 64.6485, 78.6713



27.6538, 29.8795, 42.8396



8.2363, 9.0721, 10.2696



16.5190, 24.1729, 32.8363



0.4595, 0.6725, 0.9135

Inverse Universe

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



28.8078, 26.2359, 24.6663



48.3524, 42.2460, 37.7360



31.7023, 32.0251, 25.6304



8.0053, 8.0154, 8.3387



12.6607, 6.5268, 0.5927



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 31.1195, 36.8119, 43.9933 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 31.1195, 36.8119, 43.9933 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

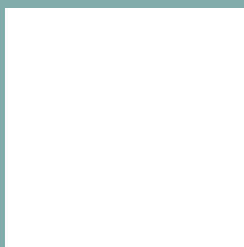
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1195, 36.8119, 43.9933

Background



This preview shows how black text looks on a background with the XYZ color 31.1195, 36.8119, 43.9933.

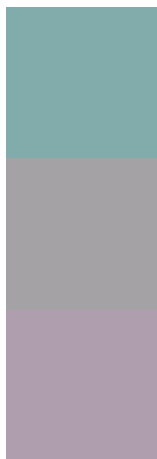


This preview shows how white text looks on a background with the XYZ color 31.1195, 36.8119,

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

31.1195, 36.8119, 43.9933

Protanopia

35.3203, 36.5932, 41.2780

Deuteranopia

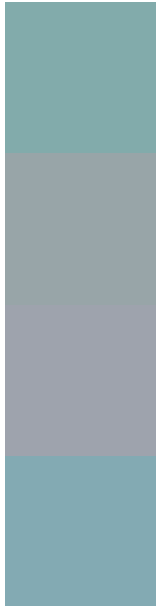
37.3224, 36.5084, 45.1241



Tritanopia

32.2509, 36.7004, 50.1838

Trichromacy



Original Color

31.1195, 36.8119, 43.9933

Protanomaly

33.4719, 36.4128, 42.3100

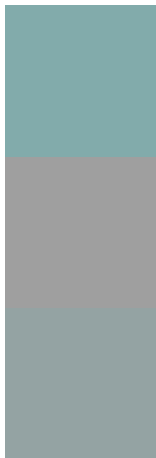
Deuteranomaly

34.7406, 36.4806, 44.7456

Tritanomaly

31.8715, 36.8294, 48.0768

Monochromacy



Original Color

31.1195, 36.8119, 43.9933

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9208, 35.1346, 39.7496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1195, 36.8119, 43.9933 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(130, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(130, 171, 171)  
}
```

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(130, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 171, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.1195, 36.8119, 43.9933 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(130, 171, 171) }
```


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

```
.border{ border-color:rgb(130, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(130, 171,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1195, 36.8119, 43.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 171, 171) }
```

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

```
.background{ background-color: rgb(130,  
171, 171) }
```

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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