

Converting Colors

XYZ(31.0364, 38.8735, 36.5026)

Have a look what the booklet for
XYZ(31.0364, 38.8735, 36.5026)
contains.

XYZ(31.1132, 38.9992, 36.4596)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1132, 38.9992,
36.4596)**

Conversions

Conversions Part 1

Format	Color
Hex	83B29A
RGB	131, 178, 154
RGB Percent	51%, 70%, 60%
CMY	0.4863, 0.3019, 0.3961
CMYK	0.26, 0.00, 0.13, 0.30
HSL	149°, 23%, 61%
HSV	149°, 26%, 70%
XYZ	31.1132, 38.9992, 36.4596
YIQ	161.2110, -20.3080, -17.4280

Conversions

Conversions Part 2

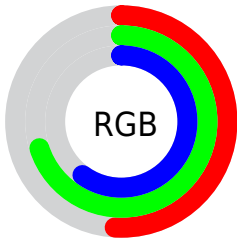
Format	Color
RYB	131, 163, 178
Decimal	8630938
CIELab	68.75, -20.71, 7.24
CIElCh	69, 21.941, 160.734
Yxy	38.9992, 0.2919, 0.3659
Android (android.graphics.Color)	4286821018 (0xFF83B29A)
YUV	161.2110, -3.5550, -26.4950
Hunter-Lab	62.4493, -20.3550, 9.0994

Details

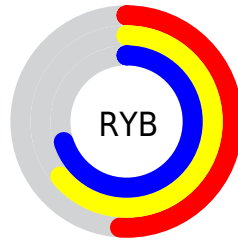
The XYZ color **31.1132, 38.9992, 36.4596** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.3941, 28.0651, 34.7217**, and the grayscale version is **33.9980, 35.7686, 38.9520**.

A 20% lighter version of the original color is **60.8156, 73.7140, 70.6974**, and **13.0901, 17.3520, 15.4913** is the 20% darker color. If you saturate the color by 10%, you get **27.8611, 37.4079, 32.5043**, and if you desaturate by 10%, it is **34.8985, 40.8608, 40.7409**.

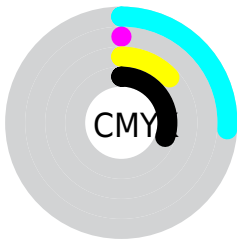
Distribution



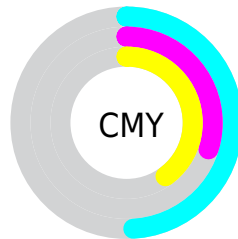
- Red (51%)
- Green (70%)
- Blue (60%)



- Red (51%)
- Yellow (64%)
- Blue (70%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (30%)



- Cyan (49%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1132, 38.9992, 36.4596 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 31.1132, 38.9992, 36.4596 by changing the saturation by 10% instead.

■ 31.1132, 38.9992,
36.4596

■ 31.1132, 38.9992,
36.4596

298.8771,
341.8871, 346.0629

■ 20.8373, 26.7591,
24.4969

■ 60.7929, 73.6371,
70.9179

■ 13.1169, 17.3924,
15.4870

■ 80.9274, 96.8037,
94.2505

■ 7.5867, 10.5146,
9.0115

■ 105.0788,
124.3812, 122.2101

■ 3.8812, 5.7415,
4.6518

133.6125,
156.7541, 155.2154

■ 1.6351, 2.6885,
1.9893

166.8938,
194.3068, 193.6847

■ 0.4151, 0.9714,
0.5487

205.2881,

■ 0.0000, 0.0000,

237.4235, 238.0367

0.0000

249.1607,
286.4889, 288.6900

■ 31.1132, 38.9992,
36.4596

■ 31.1132, 38.9992,
36.4596

■ 27.8611, 37.4079,
32.5043

■ 34.8985, 40.8608,
40.7409

■ 25.1134, 36.0692,
28.8645

■ 39.2374, 43.0000,
45.3529

■ 22.8436, 34.9705,
25.5330

■ 44.1532, 45.4297,
50.3039

■ 21.0213, 34.0962,
22.5013

■ 49.6670, 48.1607,
55.6007

■ 19.6122, 33.4290,
19.7605

■ 55.7986, 51.2029,
61.2502

■ 18.5768, 32.9486,
17.3010

■ 62.5670, 54.5662,
67.2590

■ 17.8626, 32.6281,
15.1124

■ 69.7678, 58.1449,
73.6229

■ 17.6457, 32.5321,
14.3884

■ 70.9878, 58.6329,
80.0473

■ 72.2740, 59.1474,
86.8205

Harmonies

Analogous

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



32.8777, 38.9992, 29.5556



31.1132, 38.9992, 36.4596



30.8849, 38.9992, 46.1269

Triad

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



31.1132, 38.9992, 36.4596



38.3256, 38.9992, 64.1663



42.3625, 38.9992, 31.1642

Complementary

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



31.1132, 38.9992, 36.4596



32.3941, 28.0651, 34.7217

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.



44.0247, 38.9992, 38.9994



31.1132, 38.9992, 36.4596



41.5991, 38.9992, 58.6698

Square

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



31.1132, 38.9992, 36.4596



34.9072, 38.9992, 63.2014



43.7369, 38.9992, 49.0928



39.3153, 38.9992, 26.8448

Rectangle

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



31.1132, 38.9992, 36.4596



31.6178, 38.9992, 53.0087



43.7369, 38.9992, 49.0928



43.1101, 38.9992, 33.4187

Sweetspot

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



31.1143, 39.0008, 36.4605



69.7138, 77.2649, 80.7478



33.5905, 40.4779, 27.5158



15.1755, 16.9850, 17.6072



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.1143, 39.0008, 36.4605



52.6830, 68.8905, 61.6362



33.2392, 39.8508, 47.6503



8.5565, 9.5571, 9.9241



12.6567, 23.2887, 10.4611



0.4277, 0.7446, 0.4845

Inverse Universe

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



32.3941, 28.0651, 34.7217



55.4179, 45.5202, 57.9193



30.6276, 27.3584, 25.4191



8.6714, 8.5753, 9.7681



14.5167, 7.3242, 7.8810



0.4861, 0.2422, 0.4026

Previews

White Background



This preview shows how the XYZ color 31.1132, 38.9992, 36.4596 looks on a white background.

Color Contrast Check

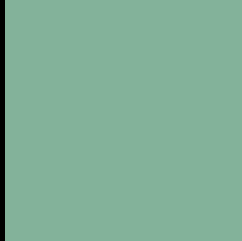
Large Text (above 18pt) WCAG AA × Fail

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 31.1132, 38.9992, 36.4596 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

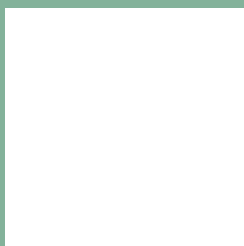
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1132, 38.9992, 36.4596

Background



This preview shows how black text looks on a background with the XYZ color 31.1132, 38.9992, 36.4596.



This preview shows how white text looks on a background with the XYZ color 31.1132, 38.9992,

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

31.1132, 38.9992, 36.4596

Protanopia

36.8432, 38.8895, 33.5816

Deuteranopia

39.3242, 38.4889, 37.2548



Tritanopia

34.3944, 38.8783, 52.7052

Trichromacy



Original Color

31.1132, 38.9992, 36.4596

Protanomaly

34.3660, 38.6988, 34.5125

Deuteranomaly

35.7558, 38.2532, 36.9516

Tritanomaly

33.0595, 38.9060, 46.3246

Monochromacy



Original Color

31.1132, 38.9992, 36.4596

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.5679, 36.5901, 37.6938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1132, 38.9992, 36.4596 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(131, 178, 154)` looks like.

```
.text, #text, p{  
    color:rgb(131, 178, 154)  
}
```

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(131, 178, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 178, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.1132, 38.9992, 36.4596 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(131, 178, 154) }
```


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

```
.border{ border-color:rgb(131, 178, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 178, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 178, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 178, 154);  
box-shadow:4px 4px 4px 4px rgb(131, 178,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1132, 38.9992, 36.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 178, 154) }
```

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

```
.background{ background-color: rgb(131,  
178, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor