

Converting Colors

XYZ(31.9178, 39.0338, 32.3525)

Have a look what the booklet for
XYZ(31.9178, 39.0338, 32.3525)
contains.

XYZ(31.8871, 38.9039, 32.2141)	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(31.8871, 38.9039,
32.2141)**

Conversions

Conversions Part 1

Format	Color
Hex	8FB090
RGB	143, 176, 144
RGB Percent	56%, 69%, 56%
CMY	0.4392, 0.3098, 0.4353
CMYK	0.19, 0.00, 0.18, 0.31
HSL	122°, 17%, 63%
HSV	122°, 19%, 69%
XYZ	31.8871, 38.9039, 32.2141
YIQ	162.4850, -9.3960, -16.9480

Conversions

Conversions Part 2

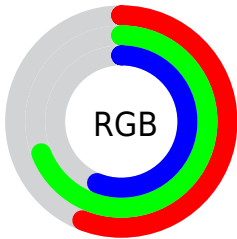
Format	Color
RYB	143, 175, 176
Decimal	9416848
CIELab	68.68, -17.58, 12.73
CIElCh	69, 21.709, 144.082
Yxy	38.9039, 0.3096, 0.3777
Android (android.graphics.Color)	4287606928 (0xFF8FB090)
YUV	162.4850, -9.1131, -17.0883
Hunter-Lab	62.3730, -17.8977, 13.0393

Details

The XYZ color **31.8871, 38.9039, 32.2141** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.4662, 31.9712, 44.8611**, and the grayscale version is **34.6157, 36.4184, 39.6597**.

A 20% lighter version of the original color is **62.0756, 73.6608, 64.3723**, and **13.5170, 17.2494, 13.2067** is the 20% darker color. If you saturate the color by 10%, you get **27.8687, 36.9729, 25.7239**, and if you desaturate by 10%, it is **36.5829, 41.1635, 39.7671**.

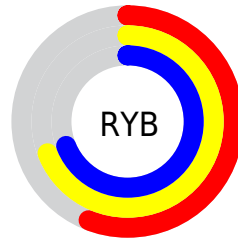
Distribution



Red (56%)

Green (69%)

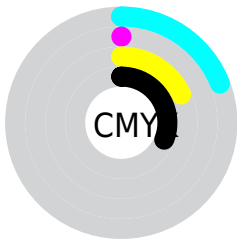
Blue (56%)



Red (56%)

Yellow (69%)

Blue (69%)

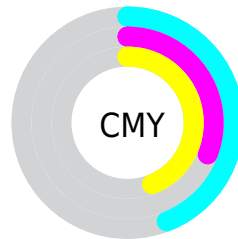


Cyan (19%)

Magenta (0%)

Yellow (18%)

Black (31%)



Cyan (44%)


Magenta (31%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8871, 38.9039, 32.2141 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 31.8871, 38.9039, 32.2141 by changing the saturation by 10% instead.


 31.8871, 38.9039,
32.2141


 31.8871, 38.9039,
32.2141


302.3591,
341.4817, 326.6161

 21.4304, 26.6850,
21.2589


 62.0004, 73.4915,
64.2484

 13.5532, 17.3368,
13.1203


 82.3878, 96.6289,
86.1646

 7.8902, 10.4749,
7.3797


106.8161,
124.1747, 112.5715

 4.0760, 5.7149,
3.6187

135.6507,
156.5131, 143.8877

 1.7452, 2.6725,
1.4186

169.2569,
194.0287, 180.5317

 0.4843, 0.9633,
0.1561

208.0002,

 0.0000, 0.0000,

237.1057, 222.9221

0.0000

252.2458,
286.1286, 271.4774

■ 31.8871, 38.9039,
32.2141

■ 31.8871, 38.9039,
32.2141

■ 27.8687, 36.9729,
25.7239

■ 36.5829, 41.1635,
39.7671

■ 24.4934, 35.3507,
20.2464

■ 41.9821, 43.7608,
48.4248

■ 21.7290, 34.0226,
15.7314

■ 48.1129, 46.7107,
58.2302

■ 19.5387, 32.9711,
12.1232

■ 55.0014, 50.0257,
69.2229

■ 17.8824, 32.1767,
9.3606

■ 62.6720, 53.7176,
81.4408

■ 16.7142, 31.6172,
7.3749

■ 71.1484, 57.7977,
94.9202

■ 15.9809, 31.2669,
6.0863

■ 74.8161, 59.5321,
102.1554

■ 15.5945, 31.0827,
5.3920

■ 15.5553, 31.0638,
5.3292

Harmonies

Analogous

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



34.3497, 38.9039, 27.3450



31.8871, 38.9039, 32.2141



30.7951, 38.9039, 40.4413

Triad

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



31.8871, 38.9039, 32.2141



36.3009, 38.9039, 64.0707



43.3333, 38.9039, 35.1081

Complementary

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



31.8871, 38.9039, 32.2141



35.4662, 31.9712, 44.8611

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.



43.9353, 38.9039, 44.3379



31.8871, 38.9039, 32.2141



39.7350, 38.9039, 62.0578

Square

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



31.8871, 38.9039, 32.2141



33.2401, 38.9039, 59.5786



42.5816, 38.9039, 54.4390



40.9839, 38.9039, 28.8261

Rectangle

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



31.8871, 38.9039, 32.2141



30.9397, 38.9039, 47.1254



42.5816, 38.9039, 54.4390



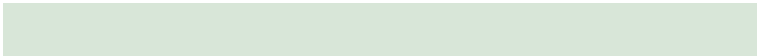
43.7526, 38.9039, 37.9267

Sweetspot

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



31.8881, 38.9056, 32.2150



68.8108, 75.8391, 76.0773



38.2653, 42.2019, 32.1161



14.7835, 16.3736, 16.2804



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.8881, 38.9056, 32.2150



54.2920, 68.8564, 52.7143



33.2038, 39.4318, 39.1429



8.3991, 9.4941, 9.0951



11.4166, 22.7926, 3.9308



0.3626, 0.7185, 0.1418

Inverse Universe

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



35.4662, 31.9712, 44.8611



62.1286, 53.6681, 80.4109



33.9819, 31.3774, 37.0447



8.8387, 8.6422, 10.6490



18.5110, 8.9220, 28.9147



0.5859, 0.2821, 0.9279

Previews

White Background



This preview shows how the XYZ color 31.8871, 38.9039, 32.2141 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 31.8871, 38.9039, 32.2141 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 31.8871, 38.9039, 32.2141

Background



This preview shows how black text looks on a background with the XYZ color 31.8871, 38.9039, 32.2141.



This preview shows how white text looks on a background with the XYZ color 31.8871, 38.9039,

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

31.8871, 38.9039, 32.2141

Protanopia

36.3834, 38.7316, 29.9844

Deuteranopia

39.4972, 38.6727, 32.9866



Tritanopia

35.6041, 38.6942, 50.9396

Trichromacy



Original Color

31.8871, 38.9039, 32.2141

Protanomaly

34.4923, 38.5651, 30.8252

Deuteranomaly

36.2801, 38.3464, 32.6836

Tritanomaly

33.9466, 38.5727, 43.1922

Monochromacy



Original Color

31.8871, 38.9039, 32.2141

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.2527, 36.9726, 36.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8871, 38.9039, 32.2141 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(143, 176, 144)` looks like.

```
.text, #text, p{  
    color:rgb(143, 176, 144)  
}
```

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(143, 176, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 176, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.8871, 38.9039, 32.2141 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(143, 176, 144) }
```


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

```
.border{ border-color:rgb(143, 176, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 176, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 176, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 176, 144);  
box-shadow:4px 4px 4px 4px rgb(143, 176,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8871, 38.9039, 32.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 176, 144) }
```

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

```
.background{ background-color: rgb(143,  
176, 144) }
```

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