

Converting Colors

XYZ(33.0661, 39.1544, 38.3874)

Have a look what the booklet for
XYZ(33.0661, 39.1544, 38.3874)
contains.

XYZ(33.0031, 39.0579, 38.1472)	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(33.0031, 39.0579,
38.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	90AF9E
RGB	144, 175, 158
RGB Percent	56%, 69%, 62%
CMY	0.4353, 0.3137, 0.3804
CMYK	0.18, 0.00, 0.10, 0.31
HSL	147°, 16%, 63%
HSV	147°, 18%, 69%
XYZ	33.0031, 39.0579, 38.1472
YIQ	163.7930, -13.0190, -11.8590

Conversions

Conversions Part 2

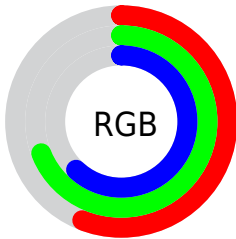
Format	Color
RYB	144, 165, 175
Decimal	9482142
CIELab	68.79, -14.06, 5.20
CIELCh	69, 14.987, 159.689
Yxy	39.0579, 0.2995, 0.3544
Android (android.graphics.Color)	4287672222 (0xFF90AF9E)
YUV	163.7930, -2.8559, -17.3585
Hunter-Lab	62.4963, -15.1062, 7.5573

Details

The XYZ color **33.0031, 39.0579, 38.1472** is a light color, and the websafe version is hex **669999**. A complement of this color would be **34.0868, 31.6346, 38.0294**, and the grayscale version is **35.2066, 37.0401, 40.3367**.

A 20% lighter version of the original color is **63.8749, 73.9617, 73.8603**, and **14.1276, 17.3078, 16.5060** is the 20% darker color. If you saturate the color by 10%, you get **29.3863, 37.2862, 33.8329**, and if you desaturate by 10%, it is **37.1605, 41.1030, 42.8253**.

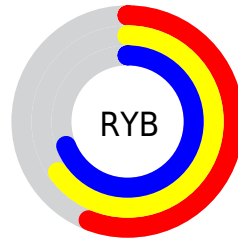
Distribution



Red (56%)

Green (69%)

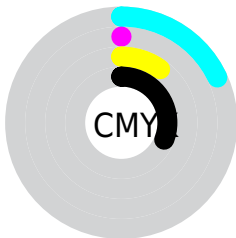
Blue (62%)



Red (56%)

Yellow (65%)

Blue (69%)

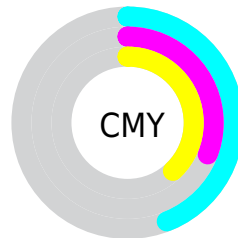


Cyan (18%)

Magenta (0%)

Yellow (10%)

Black (31%)



Cyan (44%)

Magenta (31%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0031, 39.0579, 38.1472 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 33.0031, 39.0579, 38.1472 by changing the saturation by 10% instead.

■ 33.0031, 39.0579,
38.1472

■ 33.0031, 39.0579,
38.1472

307.3284,
342.1366, 353.5681

■ 22.2881, 26.8048,
25.7942

■ 63.7350, 73.7268,
73.5396

■ 14.1865, 17.4267,
16.4454

■ 84.4826, 96.9113,
97.4162

■ 8.3331, 10.5392,
9.6821

109.3051,
124.5084, 125.9710

■ 4.3624, 5.7579,
5.0859

138.5678,
156.9025, 159.6226

■ 1.9091, 2.6984,
2.2381

172.6362,
194.4780, 198.7896

■ 0.5821, 0.9764,
0.6962

211.8755,

■ 0.0000, 0.0000,

237.6192, 243.8905

0.0000

256.6511,
286.7106, 295.3438

■ 33.0031, 39.0579,
38.1472

■ 33.0031, 39.0579,
38.1472

■ 29.3863, 37.2862,
33.8329

■ 37.1605, 41.1030,
42.8253

■ 26.2835, 35.7711,
29.8711

■ 41.8770, 43.4276,
47.8729

■ 23.6709, 34.5017,
26.2535

■ 47.1742, 46.0438,
53.2992

■ 21.5213, 33.4640,
22.9706

■ 53.0715, 48.9614,
59.1119

■ 19.8049, 32.6428,
20.0125

■ 59.5876, 52.1899,
65.3187

■ 18.4878, 32.0210,
17.3686

■ 66.7402, 55.7384,
71.9270

■ 17.5312, 31.5786,
15.0277

■ 70.1865, 57.3678,
78.7400

■ 16.8743, 31.2847,
12.9772

■ 71.5347, 57.9071,
85.8391

■ 16.7431, 31.2264,
12.5473

■ 72.9576, 58.4762,
93.3322

Harmonies

Analogous

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



34.2826, 39.0579, 33.2360



33.0031, 39.0579, 38.1472



32.8012, 39.0579, 44.7669

Triad

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



33.0031, 39.0579, 38.1472



37.8973, 39.0579, 56.7665



40.7497, 39.0579, 34.7098

Complementary

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



33.0031, 39.0579, 38.1472



34.0868, 31.6346, 38.0294

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.



41.8094, 39.0579, 40.3639



33.0031, 39.0579, 38.1472



40.1169, 39.0579, 53.4067

Square

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



33.0031, 39.0579, 38.1472



35.5606, 39.0579, 56.0102



41.5730, 39.0579, 47.2307



38.7312, 39.0579, 31.4031

Rectangle

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



33.0031, 39.0579, 38.1472



33.2957, 39.0579, 49.3399



41.5730, 39.0579, 47.2307



41.2336, 39.0579, 36.3728

Sweetspot

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



33.0042, 39.0595, 38.1481



68.6718, 74.6552, 79.0064



35.0734, 40.2577, 32.3079



15.1380, 16.5313, 17.4245



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.



33.0042, 39.0595, 38.1481



56.6336, 68.7374, 65.4255



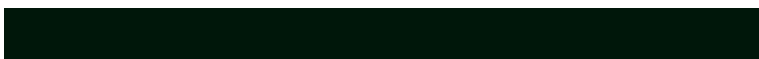
34.4193, 39.6256, 45.6002



8.0492, 8.9972, 9.2841



12.0199, 22.3732, 9.1442



0.3622, 0.6335, 0.4008

Inverse Universe

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



34.0868, 31.6346, 38.0294



58.9124, 53.1080, 65.1747



32.8069, 31.1226, 31.2896



8.1821, 8.0861, 9.2696



14.2031, 7.1438, 8.7151



0.4222, 0.2096, 0.3851

Previews

White Background



This preview shows how the XYZ color 33.0031, 39.0579, 38.1472 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 33.0031, 39.0579, 38.1472 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

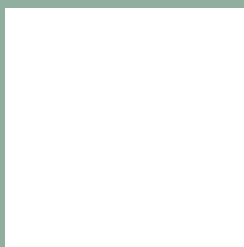
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0031, 39.0579, 38.1472

Background



This preview shows how black text looks on a background with the XYZ color 33.0031, 39.0579, 38.1472.



This preview shows how white text looks on a background with the XYZ color 33.0031, 39.0579,

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

33.0031, 39.0579, 38.1472

Protanopia

37.1070, 38.9692, 36.1379

Deuteranopia

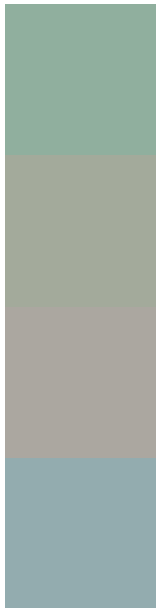
39.6031, 38.8530, 39.1303



Tritanopia

35.7143, 39.0182, 51.5479

Trichromacy



Original Color

33.0031, 39.0579, 38.1472

Protanomaly

35.3954, 38.9025, 36.6538

Deuteranomaly

36.9585, 38.8334, 38.8054

Tritanomaly

34.5230, 38.8032, 46.2277

Monochromacy



Original Color

33.0031, 39.0579, 38.1472

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.4288, 37.7820, 39.6605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0031, 39.0579, 38.1472 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(144, 175, 158)` looks like.

```
.text, #text, p{  
    color:rgb(144, 175, 158)  
}
```

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(144, 175, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 175, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.0031, 39.0579, 38.1472 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(144, 175, 158) }
```


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

```
.border{ border-color:rgb(144, 175, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 175, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 175, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 175, 158);  
box-shadow:4px 4px 4px 4px rgb(144, 175,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0031, 39.0579, 38.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 175, 158) }
```

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

```
.background{ background-color: rgb(144,  
175, 158) }
```

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