

Converting Colors

XYZ(31.0511, 39.0733, 38.4191)

Have a look what the booklet for
XYZ(31.0511, 39.0733, 38.4191)
contains.

XYZ(31.1937, 39.2980, 38.2889)	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(31.1937, 39.2980,
38.2889)**

Conversions

Conversions Part 1

Format	Color
Hex	80B39E
RGB	128, 179, 158
RGB Percent	50%, 70%, 62%
CMY	0.4980, 0.2980, 0.3804
CMYK	0.28, 0.00, 0.12, 0.30
HSL	155°, 25%, 60%
HSV	155°, 28%, 70%
XYZ	31.1937, 39.2980, 38.2889
YIQ	161.3570, -23.6550, -17.3430

Conversions

Conversions Part 2

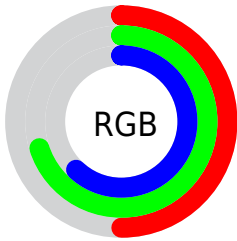
Format	Color
RYB	128, 160, 179
Decimal	8434590
CIELab	68.97, -21.35, 5.33
CIELCh	69, 22.001, 165.988
Yxy	39.2980, 0.2868, 0.3613
Android (android.graphics.Color)	4286624670 (0xFF80B39E)
YUV	161.3570, -1.6550, -29.2541
Hunter-Lab	62.6881, -20.8823, 7.6683

Details

The XYZ color **31.1937, 39.2980, 38.2889** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.7357, 27.1929, 32.0114**, and the grayscale version is **34.0585, 35.8322, 39.0213**.

A 20% lighter version of the original color is **61.0100, 74.1658, 74.0507**, and **13.1753, 17.5610, 16.6051** is the 20% darker color. If you saturate the color by 10%, you get **28.1197, 37.7855, 34.9322**, and if you desaturate by 10%, it is **34.7829, 41.0738, 41.8701**.

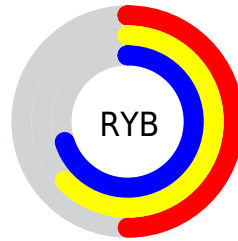
Distribution



Red (50%)

Green (70%)

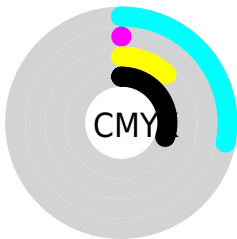
Blue (62%)



Red (50%)

Yellow (63%)

Blue (70%)

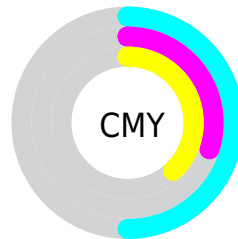


Cyan (28%)

Magenta (0%)

Yellow (12%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1937, 39.2980, 38.2889 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 31.1937, 39.2980, 38.2889 by changing the saturation by 10% instead.


 31.1937, 39.2980,
38.2889


 31.1937, 39.2980,
38.2889


299.2407,
343.1558, 354.1929


 20.8989, 26.9916,
25.9034

 60.9187, 74.0933,
73.7591

 13.1622, 17.5669,
16.5263


 81.0796, 97.3511,
97.6808

 7.6181, 10.6395,
9.7390


 105.2600,
125.0281, 126.2851

 3.9013, 5.8250,
5.1229

133.8251,
157.5088, 159.9904

 1.6464, 2.7390,
2.2595

167.1404,
195.1775, 199.2153

 0.4224, 0.9970,
0.7084

205.5712,

 0.0000, 0.0000,

238.4186, 244.3783

0.0000

249.4828,
287.6166, 295.8980

■ 31.1937, 39.2980,
38.2889

■ 31.1937, 39.2980,
38.2889

■ 28.1197, 37.7855,
34.9322

■ 34.7829, 41.0738,
41.8701

■ 25.5321, 36.5183,
31.7926

■ 38.9079, 43.1203,
45.6777

■ 23.4040, 35.4838,
28.8662

■ 43.5920, 45.4505,
49.7167

■ 21.7045, 34.6661,
26.1480

■ 48.8561, 48.0751,
53.9915

■ 20.3988, 34.0473,
23.6325

■ 54.7201, 51.0043,
58.5061

■ 19.4461, 33.6065,
21.3140

■ 61.2030, 54.2477,
63.2643

■ 18.7771, 33.3081,
19.1852

■ 68.3227, 57.8146,
68.2701

■ 18.6856, 33.2676,
18.8797

■ 69.8815, 58.5099,
73.2364

■ 70.8619, 58.9021,
78.3991

Harmonies

Analogous

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



32.7165, 39.2980, 30.7433



31.1937, 39.2980, 38.2889



31.2470, 39.2980, 48.3216

Triad

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



31.1937, 39.2980, 38.2889



39.2365, 39.2980, 64.1257



42.2265, 39.2980, 30.3675

Complementary

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



31.1937, 39.2980, 38.2889



31.7357, 27.1929, 32.0114

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.



44.2035, 39.2980, 37.6954



31.1937, 39.2980, 38.2889



42.4050, 39.2980, 57.6298

Square

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



31.1937, 39.2980, 38.2889



35.7454, 39.2980, 64.3515



44.2708, 39.2980, 47.6282



39.0052, 39.2980, 26.6773

Rectangle

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



31.1937, 39.2980, 38.2889



32.1654, 39.2980, 55.1463



44.2708, 39.2980, 47.6282



43.0672, 39.2980, 32.4308

Sweetspot

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



31.1948, 39.2996, 38.2898



69.1621, 76.9667, 81.3413



32.4577, 40.2135, 26.4739



15.0753, 16.9290, 17.7984



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.



31.1948, 39.2996, 38.2898



52.4105, 68.6782, 64.8688



32.3214, 38.4082, 48.3597



8.5916, 9.5711, 10.1091



13.2365, 23.5206, 13.5142



0.4446, 0.7513, 0.5735

Inverse Universe

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



31.7357, 27.1929, 32.0114



53.5362, 43.5267, 51.8350



30.7730, 27.7135, 24.1499



8.6366, 8.5614, 9.5849



14.0342, 7.1312, 5.3400



0.4709, 0.2361, 0.3224

Previews

White Background



This preview shows how the XYZ color 31.1937, 39.2980, 38.2889 looks on a white background.

Color Contrast Check

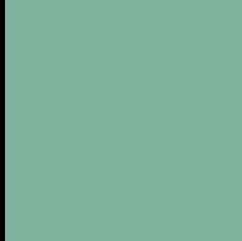
Large Text (above 18pt) WCAG AA × Fail

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 31.1937, 39.2980, 38.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

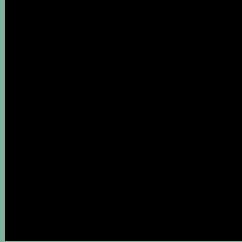
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1937, 39.2980, 38.2889

Background



This preview shows how black text looks on a background with the XYZ color 31.1937, 39.2980, 38.2889.



This preview shows how white text looks on a background with the XYZ color 31.1937, 39.2980,

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

31.1937, 39.2980, 38.2889

Protanopia

36.9418, 38.9031, 35.2678

Deuteranopia

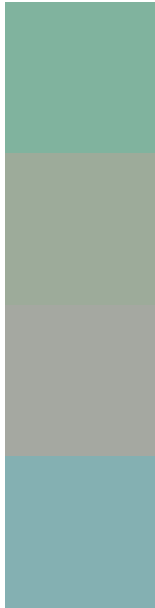
39.6916, 38.8884, 39.5967



Tritanopia

34.3468, 39.4024, 53.9393

Trichromacy



Original Color

31.1937, 39.2980, 38.2889

Protanomaly

34.3003, 38.6270, 36.2198

Deuteranomaly

35.9527, 38.5778, 39.2696

Tritanomaly

33.0769, 39.1706, 47.9368

Monochromacy



Original Color

31.1937, 39.2980, 38.2889

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7422, 36.9329, 38.6608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1937, 39.2980, 38.2889 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(128, 179, 158)` looks like.

```
.text, #text, p{  
    color:rgb(128, 179, 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(128, 179, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 179, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.1937, 39.2980, 38.2889 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(128, 179, 158) }
```


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

```
.border{ border-color:rgb(128, 179, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 179, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 179, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 179, 158);  
box-shadow:4px 4px 4px 4px rgb(128, 179,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1937, 39.2980, 38.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 179, 158) }
```

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

```
.background{ background-color: rgb(128,  
179, 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](#).

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