

Converting Colors

XYZ(28.9211, 31.8033, 31.5402)

Have a look what the booklet for
XYZ(28.9211, 31.8033, 31.5402)
contains.

XYZ(28.8648, 31.6901, 31.3835)	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(28.8648, 31.6901,
31.3835)**

Conversions

Conversions Part 1

Format	Color
Hex	939B91
RGB	147, 155, 145
RGB Percent	58%, 61%, 57%
CMY	0.4235, 0.3921, 0.4314
CMYK	0.05, 0.00, 0.06, 0.39
HSL	108°, 5%, 59%
HSV	108°, 6%, 61%
XYZ	28.8648, 31.6901, 31.3835
YIQ	151.4680, -1.5580, -4.8060

Conversions

Conversions Part 2

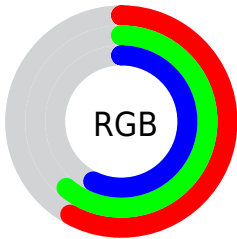
Format	Color
RYB	145, 155, 153
Decimal	9673617
CIELab	63.09, -4.80, 4.24
CIELCh	63, 6.410, 138.554
Yxy	31.6901, 0.3140, 0.3447
Android (android.graphics.Color)	4287863697 (0xFF939B91)
YUV	151.4680, -3.1887, -3.9184
Hunter-Lab	56.2940, -6.9883, 6.3520

Details

The XYZ color **28.8648, 31.6901, 31.3835** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1799, 29.3905, 35.1470**, and the grayscale version is **29.6305, 31.1736, 33.9481**.

A 20% lighter version of the original color is **57.1967, 62.1420, 63.0128**, and **11.8397, 13.2136, 12.7529** is the 20% darker color. If you saturate the color by 10%, you get **25.6451, 30.1600, 25.4136**, and if you desaturate by 10%, it is **32.4891, 33.4118, 38.2249**.

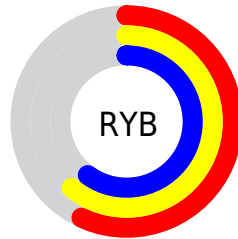
Distribution



Red (58%)

Green (61%)

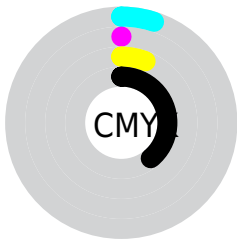
Blue (57%)



Red (57%)

Yellow (61%)

Blue (60%)

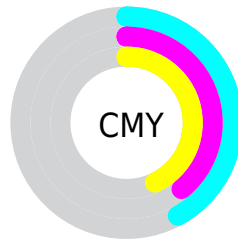


Cyan (5%)

Magenta (0%)

Yellow (6%)

Black (39%)



Cyan (42%)

Magenta (39%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8648, 31.6901, 31.3835 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 28.8648, 31.6901, 31.3835 by changing the saturation by 10% instead.

■ 28.8648, 31.6901,
31.3835

■ 28.8648, 31.6901,
31.3835

288.5822,
309.7051, 322.7070

■ 19.1223, 21.1249,
20.6301

■ 57.2613, 62.3249,
62.9300

■ 11.8632, 13.2153,
12.6653

■ 76.6460, 83.1634,
84.5602

■ 6.7222, 7.5770,
7.0705

99.9755, 108.1950,
110.6531

■ 3.3337, 3.8255,
3.4271

127.6151,
137.8043, 141.6272

■ 1.3326, 1.5764,
1.3166

159.9302,
172.3755, 177.9012

■ 0.2074, 0.3416,
0.0754

197.2862,

■ 0.0000, 0.0000,

212.2931, 219.8934

0.0000

240.0485,
257.9415, 268.0225

■ 28.8648, 31.6901,
31.3835

■ 28.8648, 31.6901,
31.3835

■ 25.6451, 30.1600,
25.4136

■ 32.4891, 33.4118,
38.2249

■ 22.8133, 28.8109,
20.2784

■ 36.5289, 35.3271,
45.9688

■ 20.3554, 27.6372,
15.9411

■ 40.9978, 37.4435,
54.6470

■ 18.2552, 26.6316,
12.3618

■ 45.9080, 39.7664,
64.2893

■ 16.4958, 25.7862,
9.4969

■ 51.2713, 42.3015,
74.9240

■ 15.0586, 25.0925,
7.2983

■ 57.0989, 45.0538,
86.5784

■ 13.9231, 24.5410,
5.7123

■ 63.4019, 48.0285,
99.2786

■ 13.0663, 24.1214,
4.6766

■ 67.8529, 50.2954,
100.7395

■ 12.4584, 23.8201,
4.0990

■ 71.0120, 51.9240,
100.8873

Harmonies

Analogous

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



29.5831, 31.6901, 30.0947



28.8648, 31.6901, 31.3835



28.4858, 31.6901, 33.5485

Triad

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



28.8648, 31.6901, 31.3835



29.7846, 31.6901, 39.4973



31.7601, 31.6901, 32.9799

Complementary

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



28.8648, 31.6901, 31.3835



29.1799, 29.3905, 35.1470

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.



31.8166, 31.6901, 35.4798



28.8648, 31.6901, 31.3835



30.6644, 31.6901, 39.3267

Square

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



28.8648, 31.6901, 31.3835



29.0098, 31.6901, 38.2825



31.4121, 31.6901, 37.8272



31.2592, 31.6901, 30.9848

Rectangle

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



28.8648, 31.6901, 31.3835



28.4714, 31.6901, 35.2340



31.4121, 31.6901, 37.8272



31.8321, 31.6901, 33.7864

Sweetspot

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



28.8657, 31.6915, 31.3842



54.4665, 58.0705, 61.4146



30.0210, 31.7969, 31.3436



12.3460, 13.1524, 13.9344



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.8657, 31.6915, 31.3842



50.6602, 56.2624, 54.2737



28.7447, 31.6020, 32.6026



6.2418, 6.9821, 6.6245



9.8946, 19.0767, 3.1607



0.1727, 0.2979, 0.0484

Inverse Universe

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



29.1799, 29.3905, 35.1470



51.3634, 51.1129, 62.6949



29.3116, 29.4872, 33.8538



6.3402, 6.2613, 7.8034



11.4611, 5.3595, 25.3381



0.1987, 0.0942, 0.3801

Previews

White Background



This preview shows how the XYZ color 28.8648, 31.6901, 31.3835 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 28.8648, 31.6901, 31.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

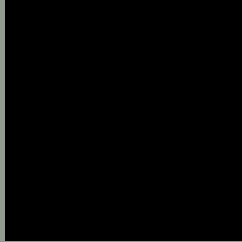
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8648, 31.6901, 31.3835

Background



This preview shows how black text looks on a background with the XYZ color 28.8648, 31.6901, 31.3835.



This preview shows how white text looks on a background with the XYZ color 28.8648, 31.6901,

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

28.8648, 31.6901, 31.3835

Protanopia

30.0908, 31.6077, 30.5015

Deuteranopia

32.0624, 31.4090, 31.9764



Tritanopia

30.5068, 31.6208, 39.6175

Trichromacy



Original Color

28.8648, 31.6901, 31.3835

Protanomaly

29.5621, 31.5684, 30.9208

Deuteranomaly

30.7926, 31.4651, 31.6446

Tritanomaly

29.8715, 31.6063, 36.4245

Monochromacy



Original Color

28.8648, 31.6901, 31.3835

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2307, 31.1104, 32.8981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8648, 31.6901, 31.3835 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(147, 155, 145)` looks like.

```
.text, #text, p{  
    color:rgb(147, 155, 145)  
}
```

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(147, 155, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 155, 145) }
```

Border

The CSS property to change the border of an element to XYZ 28.8648, 31.6901, 31.3835 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(147, 155, 145) }
```


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

```
.border{ border-color:rgb(147, 155, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 155, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 155, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 155, 145);  
box-shadow:4px 4px 4px 4px rgb(147, 155,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8648, 31.6901, 31.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 155, 145) }
```

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

```
.background{ background-color: rgb(147,  
155, 145) }
```

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