

Converting Colors

XYZ(31.6013, 31.8334, 13.4206)

Have a look what the booklet for
XYZ(31.6013, 31.8334, 13.4206)
contains.

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Color

**XYZ(31.6016, 31.8130,
13.4918)**

Conversions

Conversions Part 1

Format	Color
Hex	B69457
RGB	182, 148, 87
RGB Percent	71%, 58%, 34%
CMY	0.2863, 0.4196, 0.6588
CMYK	0.00, 0.19, 0.52, 0.29
HSL	39°, 39%, 53%
HSV	39°, 52%, 71%
XYZ	31.6016, 31.8130, 13.4918
YIQ	151.2120, 39.8450, -11.7630

Conversions

Conversions Part 2

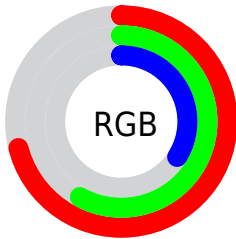
Format	Color
RYB	140, 182, 87
Decimal	11965527
CIELab	63.19, 5.06, 36.82
CIElCh	63, 37.168, 82.178
Yxy	31.8130, 0.4109, 0.4137
Android (android.graphics.Color)	4290155607 (0xFFB69457)
YUV	151.2120, -31.6565, 27.0011
Hunter-Lab	56.4030, 1.3051, 25.2997

Details

The XYZ color **31.6016, 31.8130, 13.4918** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.2111, 19.0777, 46.9256**, and the grayscale version is **29.6263, 31.1692, 33.9433**.

A 20% lighter version of the original color is **61.6432, 62.6013, 32.8791**, and **13.4863, 13.3939, 3.7939** is the 20% darker color. If you saturate the color by 10%, you get **29.9570, 29.5674, 9.7262**, and if you desaturate by 10%, it is **33.4928, 34.2516, 18.2650**.

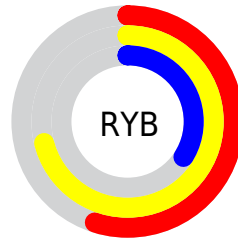
Distribution



Red (71%)

Green (58%)

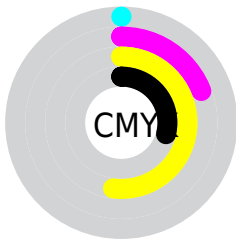
Blue (34%)



Red (55%)

Yellow (71%)

Blue (34%)

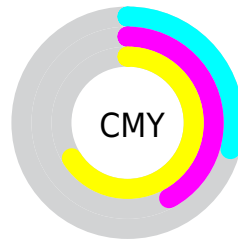


Cyan (0%)

Magenta (19%)

Yellow (52%)

Black (29%)



Cyan (29%)

Magenta (42%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6016, 31.8130, 13.4918 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 31.6016, 31.8130, 13.4918 by changing the saturation by 10% instead.

■ 31.6016, 31.8130,
13.4918

■ 31.6016, 31.8130,
13.4918

301.0780,
310.2665, 225.3634

■ 21.2114, 21.2187,
7.6334

■ 61.5554, 62.5178,
32.8886

■ 13.3920, 13.2840,
3.7769

■ 81.8498, 83.3971,
47.2640

■ 7.7779, 7.6244,
1.5038

■ 106.1763,
108.4736, 65.3155

■ 4.0038, 3.8555,
0.2207

■ 134.9003,
138.1315, 87.4617

■ 1.7043, 1.5931,
0.0000

■ 168.3871,
172.7554, 114.1210

■ 0.4589, 0.3529,
0.0000

207.0021,

■ 0.0000, 0.0000,

212.7296, 145.7120

0.0000

251.1106,
258.4385, 182.6533

■ 31.6016, 31.8130,
13.4918

■ 31.6016, 31.8130,
13.4918

■ 29.9570, 29.5674,
9.7262

■ 33.4928, 34.2516,
18.2650

■ 28.5412, 27.5027,
6.8904

■ 35.6419, 36.8856,
24.1122

■ 27.3377, 25.6118,
4.8980

■ 38.0624, 39.7230,
31.0959

■ 26.3258, 23.8849,
3.6454

■ 40.7661, 42.7700,
39.2737

■ 25.6376, 22.6376,
3.0183

■ 43.7638, 46.0322,
48.6989

■ 47.0658, 49.5152,
59.4218

■ 50.6820, 53.2240,
71.4897

■ 54.6216, 57.1639,
84.9477

■ 58.8936, 61.3395,
99.8386

Harmonies

Analogous

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



36.7079, 31.8130, 16.7534



31.6016, 31.8130, 13.4918



26.6597, 31.8130, 14.4915

Triad

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



31.6016, 31.8130, 13.4918



21.9816, 31.8130, 46.4530



38.7305, 31.8130, 55.0432

Complementary

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



31.6016, 31.8130, 13.4918



19.2111, 19.0777, 46.9256

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.



34.1215, 31.8130, 67.9942



31.6016, 31.8130, 13.4918



24.5756, 31.8130, 62.1354

Square

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



31.6016, 31.8130, 13.4918



21.4691, 31.8130, 30.9299



28.9128, 31.8130, 70.9034



41.1169, 31.8130, 38.6333

Rectangle

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



31.6016, 31.8130, 13.4918



24.0780, 31.8130, 17.6197



28.9128, 31.8130, 70.9034



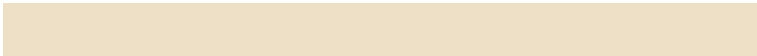
37.3665, 31.8130, 60.1168

Sweetspot

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



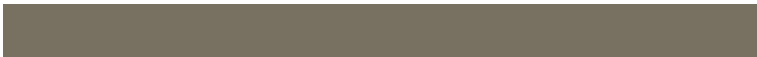
31.6024, 31.8145, 13.4924



71.8486, 75.2449, 64.8952



26.2023, 18.1628, 20.4834



15.6475, 16.3694, 13.6634



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.6024, 31.8145, 13.4924



53.8014, 52.8813, 16.5488



34.8821, 42.6158, 15.4044



9.4725, 9.9480, 9.5278



18.1697, 16.1157, 2.1530



0.6968, 0.6806, 0.0946

Inverse Universe

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



19.2111, 19.0777, 46.9256



28.8643, 27.2972, 83.9833



17.0707, 12.8845, 45.8430



8.7771, 9.2314, 11.3987



7.3606, 5.1809, 31.8651



0.3192, 0.3020, 1.1432

Previews

White Background



This preview shows how the XYZ color 31.6016, 31.8130, 13.4918 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 31.6016, 31.8130, 13.4918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

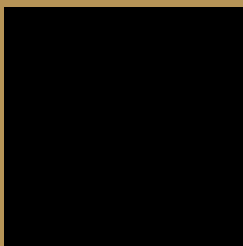
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6016, 31.8130, 13.4918

Background



This preview shows how black text looks on a background with the XYZ color 31.6016, 31.8130, 13.4918.



This preview shows how white text looks on a background with the XYZ color 31.6016, 31.8130,

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

31.6016, 31.8130, 13.4918

Protanopia

29.3429, 31.8286, 14.0482

Deuteranopia

32.4927, 31.8107, 13.4444



Tritanopia

35.7030, 31.6819, 33.5116

Trichromacy



Original Color

31.6016, 31.8130, 13.4918

Protanomaly

30.0616, 31.7220, 13.7711

Deuteranomaly

32.1616, 31.8698, 13.4732

Tritanomaly

33.9684, 31.6425, 24.7394

Monochromacy



Original Color

31.6016, 31.8130, 13.4918

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7029, 31.0526, 24.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6016, 31.8130, 13.4918 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(182, 148, 87)` looks like.

```
.text, #text, p{  
    color:rgb(182, 148, 87)  
}
```

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(182, 148, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 148, 87) }
```

Border

The CSS property to change the border of an element to XYZ 31.6016, 31.8130, 13.4918 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(182, 148, 87) }
```


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

```
.border{ border-color:rgb(182, 148, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 148, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 148, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 148, 87);  
box-shadow:4px 4px 4px 4px rgb(182, 148,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6016, 31.8130, 13.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 148, 87) }
```

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

```
.background{ background-color: rgb(182,  
148, 87) }
```

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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