

Converting Colors

XYZ(17.1331, 31.3812, 14.6054)

Have a look what the booklet for
XYZ(17.1331, 31.3812, 14.6054)
contains.

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Color

**XYZ(17.1331, 31.3812,
14.6054)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF59
RGB	0, 175, 89
RGB Percent	0%, 69%, 35%
CMY	1.0000, 0.3137, 0.6510
CMYK	1.00, 0.00, 0.49, 0.31
HSL	151°, 100%, 34%
HSV	151°, 100%, 69%
XYZ	17.1331, 31.3812, 14.6054
YIQ	112.8710, -76.6940, -63.8460

Conversions

Conversions Part 2

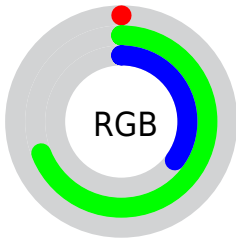
Format	Color
RYB	0, 116, 175
Decimal	44889
CIELab	62.83, -57.33, 33.53
CIELCh	63, 66.416, 149.678
Yxy	31.3812, 0.2714, 0.4972
Android (android.graphics.Color)	4278234969 (0xFF00AF59)
YUV	112.8710, -11.7684, -98.9879
Hunter-Lab	56.0189, -43.4398, 23.7550

Details

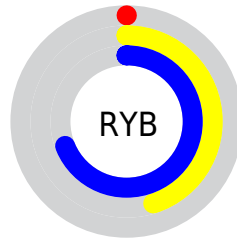
The XYZ color **17.1331, 31.3812, 14.6054** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.3598, 9.7863, 9.6734**, and the grayscale version is **15.7086, 16.5266, 17.9975**.

A 20% lighter version of the original color is **38.1044, 61.9338, 34.7571**, and **7.2204, 13.8279, 4.2960** is the 20% darker color. If you saturate the color by 10%, you get **17.1338, 31.3824, 14.6058**, and if you desaturate by 10%, it is **17.7567, 31.6594, 16.6322**.

Distribution



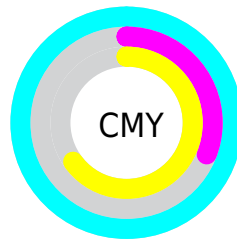
- Red (0%)
- Green (69%)
- Blue (35%)



- Red (0%)
- Yellow (45%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1331, 31.3812, 14.6054 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 17.1331, 31.3812, 14.6054 by changing the saturation by 10% instead.

■ 17.1331, 31.3812,
14.6054

■ 17.1331, 31.3812,
14.6054

229.0795,
308.2907, 232.5231

■ 10.4253, 20.8893,
8.3994

■ 38.0963, 61.8397,
34.8919

■ 5.7463, 13.0431,
4.2601

■ 53.0824, 82.5752,
49.8094

■ 2.7306, 7.4582,
1.7691

■ 71.5586, 107.4939,
68.4679

■ 1.0130, 3.7503,
0.4075

■ 93.8904, 136.9803,
91.2859

■ 0.0000, 1.5349,
0.0000

■ 120.4430,
171.4188, 118.6818

■ 0.0000, 0.3131,
0.0000

■ 151.5818,

■ 0.0000, 0.0000,

211.1937, 151.0743

0.0000

187.6722,
256.6896, 188.8819

■ 17.1331, 31.3812,
14.6054

■ 17.1331, 31.3812,
14.6054

■ 17.1338, 31.3824,
14.6058

■ 17.7567, 31.6594,
16.6322

■ 18.6359, 32.0634,
18.8977

■ 19.8560, 32.6379,
21.4135

■ 21.4571, 33.4036,
24.1882

■ 23.4734, 34.3778,
27.2295

■ 25.9351, 35.5760,
30.5449

■ 28.8694, 37.0121,
34.1417

■ 32.3014, 38.6989,
38.0266

■ 36.2542, 40.6483,
42.2063

Harmonies

Analogous

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



21.9779, 31.3812, 6.5104



17.1331, 31.3812, 14.6054



15.5325, 31.3812, 33.8879

Triad

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



17.1331, 31.3812, 14.6054



29.7287, 31.3812, 112.7250



47.7501, 31.3812, 14.8839

Complementary

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



17.1331, 31.3812, 14.6054



19.3598, 9.7863, 9.6734

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.



50.9588, 31.3812, 34.4512



17.1331, 31.3812, 14.6054



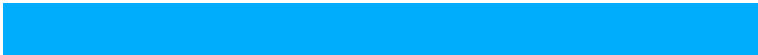
39.3521, 31.3812, 98.7827

Square

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



17.1331, 31.3812, 14.6054



21.8393, 31.3812, 98.2122



47.6156, 31.3812, 66.2106



39.5573, 31.3812, 6.6041

Rectangle

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



17.1331, 31.3812, 14.6054



16.2029, 31.3812, 53.9642



47.6156, 31.3812, 66.2106



49.5133, 31.3812, 19.9246

Sweetspot

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



17.1339, 31.3825, 14.6061



51.4072, 66.1402, 60.7965



19.3082, 32.7117, 5.2964



10.9240, 14.4545, 12.9098



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.



17.1339, 31.3825, 14.6061



30.5741, 56.1583, 25.5748



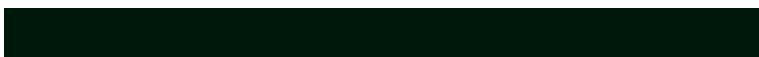
23.0688, 33.7564, 45.8588



8.0681, 9.0048, 9.3834



12.3008, 22.4856, 10.6234



0.3698, 0.6366, 0.4408

Inverse Universe

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



19.3598, 9.7863, 9.6734



34.5613, 17.4822, 16.7453



17.6799, 9.1144, 0.8275



8.1631, 8.0785, 9.1698



13.8945, 7.0204, 7.0900



0.4142, 0.2064, 0.3431

Previews

White Background



This preview shows how the XYZ color 17.1331, 31.3812, 14.6054 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 17.1331, 31.3812, 14.6054 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 17.1331, 31.3812, 14.6054

Background



This preview shows how black text looks on a background with the XYZ color 17.1331, 31.3812, 14.6054.



This preview shows how white text looks on a background with the XYZ color 17.1331, 31.3812,

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

17.1331, 31.3812, 14.6054

Protanopia

28.2777, 30.8343, 12.2458

Deuteranopia

31.4223, 30.7547, 15.5894



Tritanopia

23.8058, 31.3179, 46.9097

Trichromacy



Original Color

17.1331, 31.3812, 14.6054



Protanomaly

20.1149, 28.8459, 12.8952



Deuteranomaly

20.9442, 27.9638, 14.8834



Tritanomaly

20.3725, 30.9648, 32.0972

Monochromacy



Original Color

17.1331, 31.3812, 14.6054



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.9753, 19.9855, 16.2177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1331, 31.3812, 14.6054 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(0, 175, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 89)  
}
```

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(0, 175, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 89) }
```

Border

The CSS property to change the border of an element to XYZ 17.1331, 31.3812, 14.6054 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(0, 175, 89) }
```


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

```
.border{ border-color:rgb(0, 175, 89) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 175, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1331, 31.3812, 14.6054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 89) }
```

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

```
.background{ background-color: rgb(0, 175,  
89) }
```

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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