

Converting Colors

XYZ(16.9004, 31.9344, 10.6761)

Have a look what the booklet for
XYZ(16.9004, 31.9344, 10.6761)
contains.

XYZ(16.9171, 31.9398, 10.7422)	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(16.9171, 31.9398,
10.7422)**

Conversions

Conversions Part 1

Format	Color
Hex	0CB144
RGB	12, 177, 68
RGB Percent	5%, 69%, 27%
CMY	0.9529, 0.3059, 0.7333
CMYK	0.93, 0.00, 0.62, 0.31
HSL	140°, 87%, 37%
HSV	140°, 93%, 69%
XYZ	16.9171, 31.9398, 10.7422
YIQ	115.2390, -63.3510, -68.8790

Conversions

Conversions Part 2

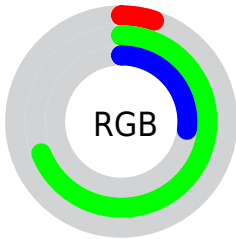
Format	Color
RYB	12, 135, 177
Decimal	831812
CIELab	63.29, -60.53, 44.30
CIELCh	63, 75.005, 143.801
Yxy	31.9398, 0.2838, 0.5359
Android (android.graphics.Color)	4279021892 (0xFF0CB144)
YUV	115.2390, -23.2888, -90.5406
Hunter-Lab	56.5153, -45.4702, 28.2911

Details

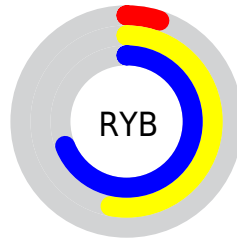
The XYZ color **16.9171, 31.9398, 10.7422** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.7148, 10.9909, 19.0660**, and the grayscale version is **16.4511, 17.3079, 18.8483**.

A 20% lighter version of the original color is **37.7427, 62.7431, 27.8907**, and **7.1556, 14.1950, 2.7435** is the 20% darker color. If you saturate the color by 10%, you get **16.5404, 31.7726, 9.5465**, and if you desaturate by 10%, it is **17.6862, 32.2918, 12.8314**.

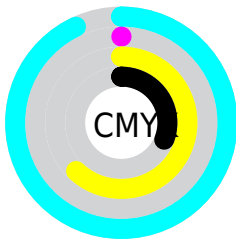
Distribution



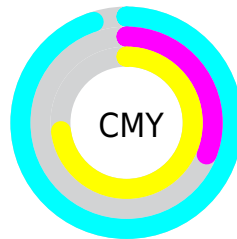
- Red (5%)
- Green (69%)
- Blue (27%)



- Red (5%)
- Yellow (53%)
- Blue (69%)



- Cyan (93%)
- Magenta (0%)
- Yellow (62%)
- Black (31%)





- Cyan (95%)
- Magenta (31%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9171, 31.9398, 10.7422 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 16.9171, 31.9398, 10.7422 by changing the saturation by 10% instead.


 16.9171, 31.9398,
10.7422


 16.9171, 31.9398,
10.7422


227.8598,
310.8449, 206.5638


 10.2703, 21.3155,
5.7818


 37.7279, 62.7167,
27.8118


 5.6422, 13.3548,
2.6462


 52.6227, 83.6381,
40.7580

 2.6673, 7.6733,
0.9162


 70.9975, 108.7607,
57.2033

 0.9804, 3.8866,
0.0000

 93.2177, 138.4688,
77.5661

 0.0000, 1.6104,
0.0000

 119.6487,
173.1469, 102.2650

 0.0000, 0.3646,
0.0000

 150.6558,

 0.0000, 0.0000,

213.1794, 131.7186

0.0000

186.6044,
258.9506, 166.3453

■ 16.9171, 31.9398,
10.7422

■ 16.9171, 31.9398,
10.7422

■ 16.5404, 31.7726,
9.5465

■ 17.6862, 32.2918,
12.8314

■ 18.8187, 32.8215,
15.3290

■ 20.3617, 33.5537,
18.2567

■ 22.3540, 34.5081,
21.6341

■ 24.8300, 35.7020,
25.4794

■ 27.8204, 37.1508,
29.8098

■ 31.3533, 38.8688,
34.6416

■ 35.4547, 40.8691,
39.9904

■ 40.1491, 43.1638,
45.8710

Harmonies

Analogous

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



22.9854, 31.9398, 4.2959



16.9171, 31.9398, 10.7422



14.5080, 31.9398, 28.9548

Triad

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



16.9171, 31.9398, 10.7422



28.2503, 31.9398, 128.3615



52.5619, 31.9398, 16.4146

Complementary

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



16.9171, 31.9398, 10.7422



21.7148, 10.9909, 19.0660

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.



54.8774, 31.9398, 41.3316



16.9171, 31.9398, 10.7422



39.1588, 31.9398, 117.8363

Square

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



16.9171, 31.9398, 10.7422



20.0177, 31.9398, 104.4348



49.5109, 31.9398, 80.7191



43.7577, 31.9398, 6.0186

Rectangle

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



16.9171, 31.9398, 10.7422



14.7911, 31.9398, 50.2960



49.5109, 31.9398, 80.7191



54.1975, 31.9398, 22.8319

Sweetspot

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



16.9179, 31.9411, 10.7429



52.6999, 67.9308, 57.3764



23.8155, 35.6098, 5.9660



10.8639, 14.4511, 11.6629



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.



16.9179, 31.9411, 10.7429



29.5292, 56.8643, 16.6074



21.3394, 33.7097, 34.0265



8.5040, 9.5361, 9.6479



12.0095, 23.0298, 7.0527



0.4058, 0.7358, 0.3692

Inverse Universe

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



21.7148, 10.9909, 19.0660



38.1081, 18.9945, 31.1946



18.6382, 9.7602, 2.8648



8.7250, 8.5967, 10.0503



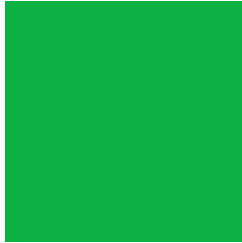
15.4893, 7.7133, 13.0025



0.5133, 0.2531, 0.5458

Previews

White Background



This preview shows how the XYZ color 16.9171, 31.9398, 10.7422 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 16.9171, 31.9398, 10.7422 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 16.9171, 31.9398, 10.7422

Background



This preview shows how black text looks on a background with the XYZ color 16.9171, 31.9398, 10.7422.



This preview shows how white text looks on a background with the XYZ color 16.9171, 31.9398,

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

16.9171, 31.9398, 10.7422

Protanopia

28.4327, 31.2284, 8.9440

Deuteranopia

31.9585, 31.3514, 11.3882



Tritanopia

24.3714, 31.8667, 47.5142

Trichromacy



Original Color

16.9171, 31.9398, 10.7422



Protanomaly

20.3524, 29.3046, 9.4342



Deuteranomaly

21.4614, 28.8193, 10.9101



Tritanomaly

20.3503, 31.2916, 29.3934

Monochromacy



Original Color

16.9171, 31.9398, 10.7422



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.4350, 20.6785, 14.7858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9171, 31.9398, 10.7422 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(12, 177, 68)` looks like.

```
.text, #text, p{  
    color:rgb(12, 177, 68)  
}
```

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(12, 177, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 177, 68) }
```

Border

The CSS property to change the border of an element to XYZ 16.9171, 31.9398, 10.7422 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(12, 177, 68) }
```


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

```
.border{ border-color:rgb(12, 177, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 177, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 177, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 177, 68);  
box-shadow:4px 4px 4px 4px rgb(12, 177,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9171, 31.9398, 10.7422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 177, 68) }
```

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

```
.background{ background-color: rgb(12, 177,  
68) }
```

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