

Converting Colors

XYZ(17.2628, 31.8332, 14.0543)

Have a look what the booklet for
XYZ(17.2628, 31.8332, 14.0543)
contains.

XYZ(17.2050, 31.7226, 14.0204)	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(17.2050, 31.7226,
14.0204)**

Conversions

Conversions Part 1

Format	Color
Hex	00B056
RGB	0, 176, 86
RGB Percent	0%, 69%, 34%
CMY	1.0000, 0.3098, 0.6627
CMYK	1.00, 0.00, 0.51, 0.31
HSL	149°, 100%, 35%
HSV	149°, 100%, 69%
XYZ	17.2050, 31.7226, 14.0204
YIQ	113.1160, -76.0060, -65.3020

Conversions

Conversions Part 2

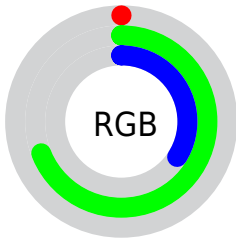
Format	Color
RYB	0, 118, 176
Decimal	45142
CIELab	63.11, -58.16, 35.41
CIELCh	63, 68.093, 148.669
Yxy	31.7226, 0.2733, 0.5039
Android (android.graphics.Color)	4278235222 (0xFF00B056)
YUV	113.1160, -13.3682, -99.2027
Hunter-Lab	56.3228, -44.0383, 24.6670

Details

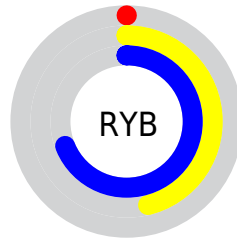
The XYZ color **17.2050, 31.7226, 14.0204** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.7507, 9.9687, 10.5562**, and the grayscale version is **15.7856, 16.6077, 18.0858**.

A 20% lighter version of the original color is **38.2704, 62.4637, 33.7065**, and **7.2935, 14.0526, 4.0783** is the 20% darker color. If you saturate the color by 10%, you get **17.2058, 31.7239, 14.0211**, and if you desaturate by 10%, it is **17.8337, 32.0030, 16.0644**.

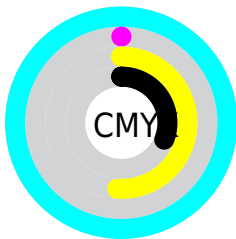
Distribution



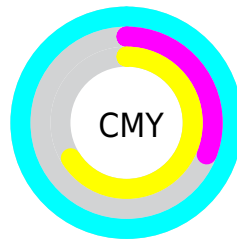
- Red (0%)
- Green (69%)
- Blue (34%)



- Red (0%)
- Yellow (46%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2050, 31.7226, 14.0204 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 17.2050, 31.7226, 14.0204 by changing the saturation by 10% instead.


 17.2050, 31.7226,
14.0204


 17.2050, 31.7226,
14.0204


229.4843,
309.8537, 228.7905


 10.4770, 21.1497,
7.9959


 38.2187, 62.3760,
33.8429


 5.7810, 13.2335,
4.0046


 53.2351, 83.2252,
48.4780


 2.7518, 7.5895,
1.6279


 71.7450, 108.2687,
66.8203

 1.0239, 3.8334,
0.3106

 94.1137, 137.8908,
89.2886

 0.0000, 1.5808,
0.0000

 120.7066,
172.4760, 116.3011

 0.0000, 0.3446,
0.0000

 151.8891,

 0.0000, 0.0000,

212.4086, 148.2766

0.0000

188.0266,
258.0730, 185.6336

■ 17.2050, 31.7226,
14.0204

■ 17.2050, 31.7226,
14.0204

■ 17.2058, 31.7239,
14.0211

■ 17.8337, 32.0030,
16.0644

■ 18.7248, 32.4123,
18.3667

■ 19.9645, 32.9958,
20.9402

■ 21.5938, 33.7742,
23.7943

■ 23.6476, 34.7655,
26.9378

■ 26.1565, 35.9853,
30.3794

■ 29.1484, 37.4479,
34.1269

■ 32.6488, 39.1661,
38.1882

■ 36.6813, 41.1521,
42.5706

Harmonies

Analogous

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



22.2897, 31.7226, 6.1308



17.2050, 31.7226, 14.0204



15.4590, 31.7226, 33.3526

Triad

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



17.2050, 31.7226, 14.0204



29.7337, 31.7226, 116.3586



48.9381, 31.7226, 15.1928

Complementary

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



17.2050, 31.7226, 14.0204



19.7507, 9.9687, 10.5562

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.



52.0534, 31.7226, 35.7564



17.2050, 31.7226, 14.0204



39.6732, 31.7226, 102.7105

Square

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



17.2050, 31.7226, 14.0204



21.7007, 31.7226, 100.2452



48.3608, 31.7226, 69.0252



40.5524, 31.7226, 6.5182

Rectangle

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



17.2050, 31.7226, 14.0204



16.0726, 31.7226, 53.8855



48.3608, 31.7226, 69.0252



50.7046, 31.7226, 20.4873

Sweetspot

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



17.2058, 31.7239, 14.0211



52.5559, 67.7647, 61.5215



19.8340, 33.2728, 5.3769



10.8870, 14.4397, 12.7152



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.



17.2058, 31.7239, 14.0211



31.0905, 57.4888, 24.8289



23.0756, 34.0718, 44.9309



8.5562, 9.5570, 9.9228



12.6531, 23.2872, 10.4420



0.4276, 0.7445, 0.4839

Inverse Universe

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



19.7507, 9.9687, 10.5562



35.7048, 18.0331, 18.5387



17.9213, 9.2369, 0.9226



8.6717, 8.5754, 9.7694



14.5206, 7.3258, 7.9012



0.4862, 0.2422, 0.4032

Previews

White Background



This preview shows how the XYZ color 17.2050, 31.7226, 14.0204 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 17.2050, 31.7226, 14.0204 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 17.2050, 31.7226, 14.0204

Background



This preview shows how black text looks on a background with the XYZ color 17.2050, 31.7226, 14.0204.



This preview shows how white text looks on a background with the XYZ color 17.2050, 31.7226,

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

17.2050, 31.7226, 14.0204

Protanopia

28.5397, 31.2220, 11.7300

Deuteranopia

31.6742, 31.1262, 14.9282



Tritanopia

24.1568, 31.7561, 47.5042

Trichromacy



Original Color

17.2050, 31.7226, 14.0204



Protanomaly

20.1739, 29.1480, 12.3474



Deuteranomaly

20.9793, 28.2453, 14.2437



Tritanomaly

20.4818, 31.3074, 31.7515

Monochromacy



Original Color

17.2050, 31.7226, 14.0204



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.9248, 19.9653, 15.9517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2050, 31.7226, 14.0204 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, 176, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 86)  
}
```

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, 176, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 86) }
```

Border

The CSS property to change the border of an element to XYZ 17.2050, 31.7226, 14.0204 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, 176, 86) }
```


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

```
.border{ border-color:rgb(0, 176, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2050, 31.7226, 14.0204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 86) }
```

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

```
.background{ background-color: rgb(0, 176,  
86) }
```

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