

Converting Colors

XYZ(17.2777, 31.7359, 14.4511)

Have a look what the booklet for
XYZ(17.2777, 31.7359, 14.4511)
contains.

XYZ(17.2868, 31.7552, 14.4508)	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(17.2868, 31.7552,
14.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	00B058
RGB	0, 176, 88
RGB Percent	0%, 69%, 35%
CMY	1.0000, 0.3098, 0.6549
CMYK	1.00, 0.00, 0.50, 0.31
HSL	150°, 100%, 35%
HSV	150°, 100%, 69%
XYZ	17.2868, 31.7552, 14.4508
YIQ	113.3440, -76.6480, -64.6800

Conversions

Conversions Part 2

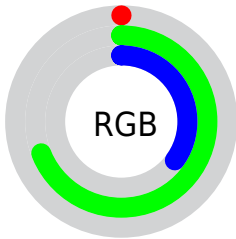
Format	Color
RYB	0, 117, 176
Decimal	45144
CIELab	63.14, -57.83, 34.43
CIELCh	63, 67.306, 149.232
Yxy	31.7552, 0.2723, 0.5001
Android (android.graphics.Color)	4278235224 (0xFF00B058)
YUV	113.3440, -12.4946, -99.4027
Hunter-Lab	56.3518, -43.8578, 24.2419

Details

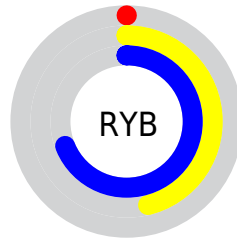
The XYZ color **17.2868, 31.7552, 14.4508** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.6672, 9.9355, 10.1162**, and the grayscale version is **15.8521, 16.6776, 18.1619**.

A 20% lighter version of the original color is **38.4152, 62.5216, 34.4693**, and **7.3257, 14.0656, 4.2483** is the 20% darker color. If you saturate the color by 10%, you get **17.2872, 31.7563, 14.4503**, and if you desaturate by 10%, it is **17.9166, 32.0361, 16.5005**.

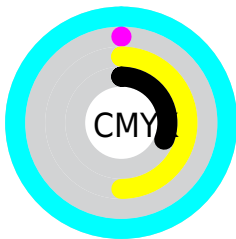
Distribution



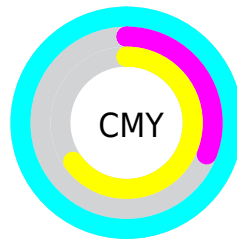
- Red (0%)
- Green (69%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2868, 31.7552, 14.4508 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 17.2868, 31.7552, 14.4508 by changing the saturation by 10% instead.


 17.2868, 31.7552,
14.4508


 17.2868, 31.7552,
14.4508


229.9439,
310.0026, 231.5427


 10.5358, 21.1746,
8.2925


 38.3579, 62.4271,
34.6154


 5.8206, 13.2517,
4.1923


 53.4087, 83.2872,
49.4587


 2.7759, 7.6021,
1.7314


 71.9568, 108.3426,
68.0343

 1.0364, 3.8414,
0.3821

 94.3675, 137.9777,
90.7604

 0.0000, 1.5852,
0.0000

 121.0062,
172.5768, 118.0558

 0.0000, 0.3476,
0.0000

 152.2383,

 0.0000, 0.0000,

212.5244, 150.3390

0.0000

188.4291,
258.2049, 188.0284

■ 17.2868, 31.7552,
14.4508

■ 17.2868, 31.7552,
14.4508

■ 17.2872, 31.7563,
14.4503

■ 17.9166, 32.0361,
16.5005

■ 18.8072, 32.4452,
18.7992

■ 20.0446, 33.0277,
21.3590

■ 21.6695, 33.8045,
24.1890

■ 23.7168, 34.7932,
27.2975

■ 26.2172, 36.0096,
30.6925

■ 29.1982, 37.4678,
34.3815

■ 32.6854, 39.1809,
38.3718

■ 36.7023, 41.1606,
42.6704

Harmonies

Analogous

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



22.2713, 31.7552, 6.3880



17.2868, 31.7552, 14.4508



15.6109, 31.7552, 33.8949

Triad

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



17.2868, 31.7552, 14.4508



29.9436, 31.7552, 115.1203



48.6113, 31.7552, 15.1248

Complementary

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



17.2868, 31.7552, 14.4508



19.6672, 9.9355, 10.1162

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.



51.8026, 31.7552, 35.2662



17.2868, 31.7552, 14.4508



39.7748, 31.7552, 101.2032

Square

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



17.2868, 31.7552, 14.4508



21.9344, 31.7552, 99.8068



48.2831, 31.7552, 67.9108



40.2753, 31.7552, 6.6130

Rectangle

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



17.2868, 31.7552, 14.4508



16.2612, 31.7552, 54.3168



48.2831, 31.7552, 67.9108



50.3887, 31.7552, 20.3122

Sweetspot

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



17.2876, 31.7565, 14.4515



52.6440, 67.7999, 61.9852



19.8345, 33.2729, 5.3773



10.9080, 14.4481, 12.8256



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.



17.2876, 31.7565, 14.4515



31.2377, 57.5476, 25.6040



23.0756, 34.0717, 44.9308



8.5602, 9.5586, 9.9439



12.7131, 23.3112, 10.7577



0.4295, 0.7452, 0.4936

Inverse Universe

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



19.6672, 9.9355, 10.1162



35.5534, 17.9726, 17.7413



17.9214, 9.2371, 0.9229



8.6676, 8.5738, 9.7483



14.4590, 7.3011, 7.5769



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 17.2868, 31.7552, 14.4508 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 17.2868, 31.7552, 14.4508 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 17.2868, 31.7552, 14.4508

Background



This preview shows how black text looks on a background with the XYZ color 17.2868, 31.7552, 14.4508.



This preview shows how white text looks on a background with the XYZ color 17.2868, 31.7552,

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

17.2868, 31.7552, 14.4508

Protanopia

28.6126, 31.2511, 12.1134

Deuteranopia

31.7652, 31.1626, 15.4071



Tritanopia

24.0876, 31.7204, 47.5009

Trichromacy



Original Color

17.2868, 31.7552, 14.4508



Protanomaly

20.2501, 29.1784, 12.7483



Deuteranomaly

21.0667, 28.2803, 14.7042



Tritanomaly

20.5593, 31.3384, 32.1595

Monochromacy



Original Color

17.2868, 31.7552, 14.4508



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 17.2868, 31.7552, 14.4508 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 88) }
```

Border

The CSS property to change the border of an element to XYZ 17.2868, 31.7552, 14.4508 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, 88) }
```


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

```
.border{ border-color:rgb(0, 176, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2868, 31.7552, 14.4508 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, 88) }
```

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

```
.background{ background-color: rgb(0, 176,  
88) }
```

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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