

Converting Colors

XYZ(17.3508, 31.7996, 13.3014)

Have a look what the booklet for
XYZ(17.3508, 31.7996, 13.3014)
contains.

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Color

**XYZ(17.3368, 31.8086,
13.2086)**

Conversions

Conversions Part 1

Format	Color
Hex	14B052
RGB	20, 176, 82
RGB Percent	8%, 69%, 32%
CMY	0.9216, 0.3098, 0.6784
CMYK	0.89, 0.00, 0.53, 0.31
HSL	144°, 80%, 38%
HSV	144°, 89%, 69%
XYZ	17.3368, 31.8086, 13.2086
YIQ	118.6400, -62.8020, -62.3060

Conversions

Conversions Part 2

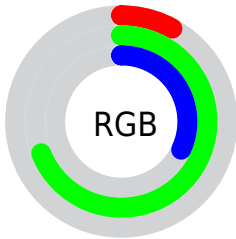
Format	Color
RYB	20, 132, 176
Decimal	1355858
CIELab	63.18, -57.75, 37.52
CIELCh	63, 68.868, 146.990
Yxy	31.8086, 0.2780, 0.5101
Android (android.graphics.Color)	4279545938 (0xFF14B052)
YUV	118.6400, -18.0635, -86.5073
Hunter-Lab	56.3991, -43.8285, 25.5937

Details

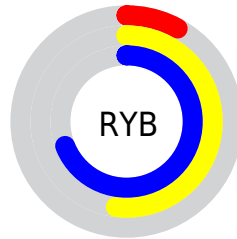
The XYZ color **17.3368, 31.8086, 13.2086** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.1928, 10.9458, 16.9161**, and the grayscale version is **17.4910, 18.4019, 20.0396**.

A 20% lighter version of the original color is **38.4096, 62.5680, 32.2427**, and **7.2202, 14.0234, 3.6927** is the 20% darker color. If you saturate the color by 10%, you get **16.7062, 31.5275, 11.2332**, and if you desaturate by 10%, it is **18.2692, 32.2398, 15.5252**.

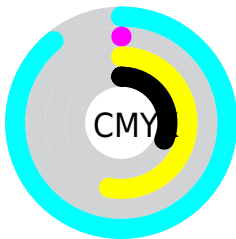
Distribution



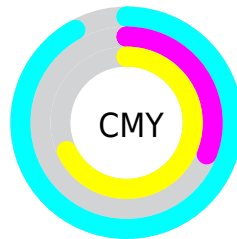
- Red (8%)
- Green (69%)
- Blue (32%)



- Red (8%)
- Yellow (52%)
- Blue (69%)



- Cyan (89%)
- Magenta (0%)
- Yellow (53%)
- Black (31%)





- Cyan (92%)
- Magenta (31%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.3368, 31.8086, 13.2086 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 17.3368, 31.8086, 13.2086 by changing the saturation by 10% instead.


 17.3368, 31.8086,
13.2086

 17.3368, 31.8086,
13.2086


230.2244,
310.2464, 223.5048


 10.5717, 21.2153,
7.4399

 38.4430, 62.5109,
32.3747


 5.8448, 13.2815,
3.6561


 53.5147, 83.3888,
46.6092


 2.7907, 7.6227,
1.4387


 72.0861, 108.4636,
64.5028

 1.0441, 3.8545,
0.1716

 94.5224, 138.1198,
86.4739

 0.0000, 1.5925,
0.0000

 121.1891,
172.7418, 112.9411

 0.0000, 0.3525,
0.0000

 152.4514,

 0.0000, 0.0000,

212.7140, 144.3230

0.0000

188.6747,
258.4207, 181.0380

■ 17.3368, 31.8086,
13.2086

■ 17.3368, 31.8086,
13.2086

■ 16.7062, 31.5275,
11.2332

■ 18.2692, 32.2398,
15.5252

■ 16.6299, 31.4935,
10.9885

■ 19.5715, 32.8534,
18.1980

■ 21.2857, 33.6715,
21.2429

■ 23.4467, 34.7118,
24.6739

■ 26.0860, 35.9904,
28.5044

■ 29.2318, 37.5215,
32.7470

■ 32.9101, 39.3182,
37.4137

■ 37.1453, 41.3930,
42.5161

■ 41.9599, 43.7572,
48.0652

Harmonies

Analogous

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



22.6650, 31.8086, 5.7781



17.3368, 31.8086, 13.2086



15.3927, 31.8086, 31.9539

Triad

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



17.3368, 31.8086, 13.2086



29.2822, 31.8086, 117.7667



49.6486, 31.8086, 15.8778

Complementary

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



17.3368, 31.8086, 13.2086



21.1928, 10.9458, 16.9161

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.



52.4384, 31.8086, 37.4602



17.3368, 31.8086, 13.2086



39.3223, 31.8086, 105.4767

Square

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



17.3368, 31.8086, 13.2086



21.3188, 31.8086, 99.7986



48.3228, 31.8086, 71.7535



41.3393, 31.8086, 6.6530

Rectangle

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



17.3368, 31.8086, 13.2086



15.8911, 31.8086, 52.3171



48.3228, 31.8086, 71.7535



51.3298, 31.8086, 21.4658

Sweetspot

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



17.3376, 31.8099, 13.2093



53.7399, 68.4026, 60.3341



22.8817, 34.8293, 6.1787



11.2058, 14.6092, 12.4980



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.



17.3376, 31.8099, 13.2093



30.0553, 57.0747, 19.3779



21.9691, 33.6625, 37.5986



8.5242, 9.5442, 9.7542



12.2284, 23.1173, 8.2054



0.4139, 0.7390, 0.4119

Inverse Universe

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



21.1928, 10.9458, 16.9161



37.0812, 18.5837, 25.7869



18.5085, 9.8721, 2.7809



8.7041, 8.5884, 9.9404



15.0770, 7.5484, 10.8316



0.5022, 0.2486, 0.4872

Previews

White Background



This preview shows how the XYZ color 17.3368, 31.8086, 13.2086 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 17.3368, 31.8086, 13.2086 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 17.3368, 31.8086, 13.2086

Background



This preview shows how black text looks on a background with the XYZ color 17.3368, 31.8086, 13.2086.



This preview shows how white text looks on a background with the XYZ color 17.3368, 31.8086,

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

17.3368, 31.8086, 13.2086

Protanopia

28.6127, 31.2757, 11.0073

Deuteranopia

31.7380, 31.1793, 14.0183



Tritanopia

24.2987, 31.8292, 47.5108

Trichromacy



Original Color

17.3368, 31.8086, 13.2086



Protanomaly

21.0239, 29.6030, 11.6270



Deuteranomaly

21.9209, 28.7501, 13.4108



Tritanomaly

20.8249, 31.4931, 31.3668

Monochromacy



Original Color

17.3368, 31.8086, 13.2086



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.5469, 21.6358, 16.9924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3368, 31.8086, 13.2086 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(20, 176, 82)` looks like.

```
.text, #text, p{  
    color:rgb(20, 176, 82)  
}
```

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(20, 176, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 176, 82) }
```

Border

The CSS property to change the border of an element to XYZ 17.3368, 31.8086, 13.2086 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(20, 176, 82) }
```


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

```
.border{ border-color:rgb(20, 176, 82) }
```

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

Here you see how a box with a 4 pixel rgb(20, 176, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 176, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 176, 82);  
box-shadow:4px 4px 4px 4px rgb(20, 176,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3368, 31.8086, 13.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 176, 82) }
```

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

```
.background{ background-color: rgb(20, 176,  
82) }
```

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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