

Converting Colors

XYZ(17.1567, 31.6875, 13.8142)

Have a look what the booklet for
XYZ(17.1567, 31.6875, 13.8142)
contains.

XYZ(17.1650, 31.7065, 13.8096)	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(17.1650, 31.7065,
13.8096)**

Conversions

Conversions Part 1

Format	Color
Hex	00B055
RGB	0, 176, 85
RGB Percent	0%, 69%, 33%
CMY	1.0000, 0.3098, 0.6667
CMYK	1.00, 0.00, 0.52, 0.31
HSL	149°, 100%, 35%
HSV	149°, 100%, 69%
XYZ	17.1650, 31.7065, 13.8096
YIQ	113.0020, -75.6850, -65.6130

Conversions

Conversions Part 2

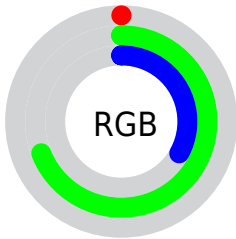
Format	Color
RYB	0, 119, 176
Decimal	45141
CIELab	63.10, -58.32, 35.89
CIELCh	63, 68.484, 148.392
Yxy	31.7065, 0.2738, 0.5058
Android (android.graphics.Color)	4278235221 (0xFF00B055)
YUV	113.0020, -13.8050, -99.1028
Hunter-Lab	56.3085, -44.1263, 24.8752

Details

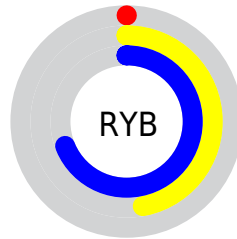
The XYZ color **17.1650, 31.7065, 13.8096** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.7939, 9.9860, 10.7834**, and the grayscale version is **15.7534, 16.5738, 18.0489**.

A 20% lighter version of the original color is **38.1989, 62.4351, 33.3304**, and **7.2780, 14.0464, 3.9967** is the 20% darker color. If you saturate the color by 10%, you get **17.1656, 31.7077, 13.8096**, and if you desaturate by 10%, it is **17.7931, 31.9867, 15.8501**.

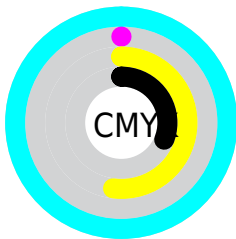
Distribution



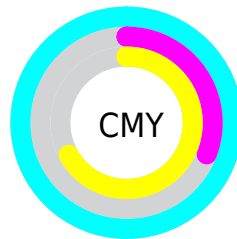
- Red (0%)
- Green (69%)
- Blue (33%)



- Red (0%)
- Yellow (47%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1650, 31.7065, 13.8096 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 17.1650, 31.7065, 13.8096 by changing the saturation by 10% instead.


 17.1650, 31.7065,
13.8096


 17.1650, 31.7065,
13.8096


229.2592,
309.7801, 227.4302


 10.4482, 21.1374,
7.8511


 38.1506, 62.3507,
33.4631


 5.7617, 13.2245,
3.9134


 53.1501, 83.1946,
47.9951


 2.7400, 7.5833,
1.5780


 71.6413, 108.2322,
66.2221

 1.0178, 3.8295,
0.2750

 93.9895, 137.8480,
88.5626

 0.0000, 1.5786,
0.0000

 120.5600,
172.4262, 115.4351

 0.0000, 0.3431,
0.0000

 151.7182,

 0.0000, 0.0000,

212.3514, 147.2582

0.0000

187.8295,
258.0079, 184.4504

■ 17.1650, 31.7065,
13.8096

■ 17.1650, 31.7065,
13.8096

■ 17.1656, 31.7077,
13.8096

■ 17.7931, 31.9867,
15.8501

■ 18.6845, 32.3961,
18.1538

■ 19.9256, 32.9801,
20.7336

■ 21.5572, 33.7595,
23.5994

■ 23.6144, 34.7522,
26.7603

■ 26.1279, 35.9739,
30.2250

■ 29.1255, 37.4387,
34.0018

■ 32.6328, 39.1597,
38.0987

■ 36.6735, 41.1490,
42.5233

Harmonies

Analogous

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



22.2995, 31.7065, 6.0058



17.1650, 31.7065, 13.8096



15.3842, 31.7065, 33.0840

Triad

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



17.1650, 31.7065, 13.8096



29.6293, 31.7065, 116.9738



49.1008, 31.7065, 15.2279

Complementary

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



17.1650, 31.7065, 13.8096



19.7939, 9.9860, 10.7834

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.



52.1776, 31.7065, 36.0031



17.1650, 31.7065, 13.8096



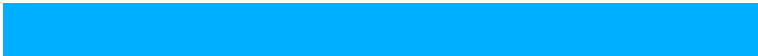
39.6221, 31.7065, 103.4637

Square

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



17.1650, 31.7065, 13.8096



21.5852, 31.7065, 100.4596



48.3986, 31.7065, 69.5842



40.6909, 31.7065, 6.4722

Rectangle

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



17.1650, 31.7065, 13.8096



15.9797, 31.7065, 53.6698



48.3986, 31.7065, 69.5842



50.8616, 31.7065, 20.5761

Sweetspot

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



17.1658, 31.7078, 13.8103



52.5118, 67.7471, 61.2892



20.1289, 33.4247, 5.3909



10.8765, 14.4355, 12.6599



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.



17.1658, 31.7078, 13.8103



31.0180, 57.4598, 24.4474



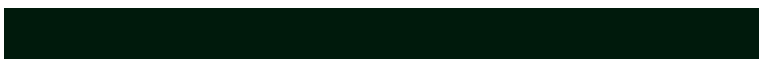
22.7946, 33.9593, 43.4513



8.5542, 9.5562, 9.9122



12.6236, 23.2754, 10.2864



0.4267, 0.7442, 0.4792

Inverse Universe

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



19.7939, 9.9860, 10.7834



35.7826, 18.0643, 18.9483



17.9374, 9.2435, 1.0074



8.6737, 8.5762, 9.7800



14.5522, 7.3384, 8.0676



0.4872, 0.2426, 0.4082

Previews

White Background



This preview shows how the XYZ color 17.1650, 31.7065, 13.8096 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 17.1650, 31.7065, 13.8096 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 17.1650, 31.7065, 13.8096

Background



This preview shows how black text looks on a background with the XYZ color 17.1650, 31.7065, 13.8096.



This preview shows how white text looks on a background with the XYZ color 17.1650, 31.7065,

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

17.1650, 31.7065, 13.8096

Protanopia

28.7162, 31.3171, 11.5525

Deuteranopia

31.8683, 31.2315, 14.7046



Tritanopia

24.1568, 31.7561, 47.5042

Trichromacy



Original Color

17.1650, 31.7065, 13.8096



Protanomaly

20.2562, 29.1947, 12.1569



Deuteranomaly

21.0700, 28.2970, 14.0242



Tritanomaly

20.4818, 31.3074, 31.7515

Monochromacy



Original Color

17.1650, 31.7065, 13.8096



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 17.1650, 31.7065, 13.8096 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 85) }
```

Border

The CSS property to change the border of an element to XYZ 17.1650, 31.7065, 13.8096 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, 85) }
```


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

```
.border{ border-color:rgb(0, 176, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1650, 31.7065, 13.8096 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, 85) }
```

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

```
.background{ background-color: rgb(0, 176,  
85) }
```

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