

Converting Colors

XYZ(17.6284, 33.6335, 5.5628)

Have a look what the booklet for
XYZ(17.6284, 33.6335, 5.5628)
contains.

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Color

**XYZ(17.6061, 33.6056,
5.5586)**

Conversions

Conversions Part 1

Format	Color
Hex	2DB500
RGB	45, 181, 0
RGB Percent	18%, 71%, 0%
CMY	0.8235, 0.2902, 0.9999
CMYK	0.75, 0.00, 1.00, 0.29
HSL	105°, 100%, 35%
HSV	105°, 100%, 71%
XYZ	17.6061, 33.6056, 5.5586
YIQ	119.7020, -22.9550, -85.1230

Conversions

Conversions Part 2

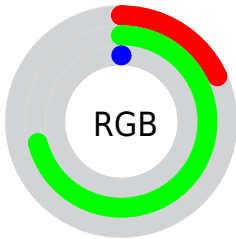
Format	Color
RYB	0, 181, 136
Decimal	2995456
CIELab	64.65, -62.60, 64.86
CIELCh	65, 90.139, 133.986
Yxy	33.6056, 0.3101, 0.5920
Android (android.graphics.Color)	4281185536 (0xFF2DB500)
YUV	119.7020, -59.0131, -65.5137
Hunter-Lab	57.9703, -47.2361, 34.8941

Details

The XYZ color **17.6061, 33.6056, 5.5586** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **18.4976, 8.5726, 44.3975**, and the grayscale version is **17.9466, 18.8812, 20.5617**.

A 20% lighter version of the original color is **38.8185, 65.2483, 17.3857**, and **7.5894, 15.1787, 2.5298** is the 20% darker color. If you saturate the color by 10%, you get **17.6062, 33.6067, 5.5588**, and if you desaturate by 10%, it is **18.4149, 34.0108, 6.1716**.

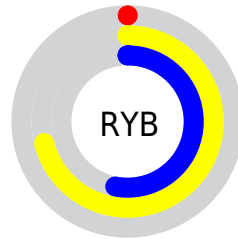
Distribution



Red (18%)

Green (71%)

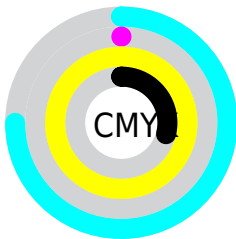
Blue (0%)



Red (0%)

Yellow (71%)

Blue (53%)

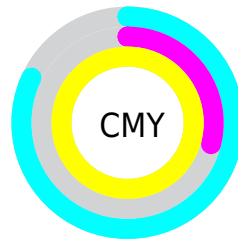


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (82%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6061, 33.6056, 5.5586 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 17.6061, 33.6056, 5.5586 by changing the saturation by 10% instead.


 17.6061, 33.6056,
5.5586


 17.6061, 33.6056,
5.5586


231.7301,
318.3698, 164.2313


 10.7655, 22.5908,
2.5142


 38.9003, 65.3199,
17.4692


 5.9755, 14.2916,
0.8477


 54.0847, 86.7881,
27.1724


 2.8707, 8.3238,
0.0000


 72.7811, 112.5096,
39.9324

 1.0858, 4.3028,
0.0000

 95.3548, 142.8688,
56.1675

 0.0132, 1.8444,
0.0000

 122.1712,
178.2500, 76.2965

 0.0000, 0.5146,
0.0000

 153.5957,

 0.0000, 0.0000,

219.0376, 100.7377

0.0000

189.9935,
265.6161, 129.9098

■ 17.6061, 33.6056,
5.5586

■ 17.6061, 33.6056,
5.5586

■ 17.6062, 33.6067,
5.5588

■ 18.4149, 34.0108,
6.1716

■ 19.5341, 34.5634,
7.3285

■ 21.0178, 35.2876,
9.2329

■ 22.8982, 36.1981,
11.9830

■ 25.2034, 37.3074,
15.6620

■ 27.9590, 38.6272,
20.3433

■ 31.1881, 40.1680,
26.0927

■ 34.9126, 41.9396,
32.9708

■ 39.1526, 43.9514,
41.0332

Harmonies

Analogous

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



26.3043, 33.6056, 1.8680



17.6061, 33.6056, 5.5586



13.5162, 33.6056, 20.2613

Triad

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



17.6061, 33.6056, 5.5586



25.5652, 33.6056, 156.4608



62.6269, 33.6056, 21.9460

Complementary

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



17.6061, 33.6056, 5.5586



18.4976, 8.5726, 44.3975

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.



62.2711, 33.6056, 59.9415



17.6061, 33.6056, 5.5586



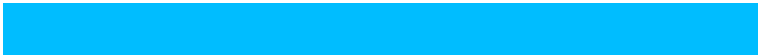
38.3306, 33.6056, 158.1840

Square

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



17.6061, 33.6056, 5.5586



17.1915, 33.6056, 111.5982



52.4911, 33.6056, 115.3848



53.3616, 33.6056, 6.0811

Rectangle

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



17.6061, 33.6056, 5.5586



13.0130, 33.6056, 41.7639



52.4911, 33.6056, 115.3848



63.6927, 33.6056, 31.8635

Sweetspot

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



17.6069, 33.6070, 5.5594



55.5383, 71.7863, 46.1552



27.8269, 27.3641, 3.8157



11.4668, 15.2596, 9.0106



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.6069, 33.6070, 5.5594



31.3569, 60.0967, 9.9471



17.0035, 33.2407, 8.0293



8.5803, 9.5887, 9.0511



12.1916, 23.1951, 3.8345



0.4378, 0.7577, 0.1232

Inverse Universe

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



18.4976, 8.5726, 44.3975



32.9080, 15.2391, 79.5016



23.4837, 11.5952, 24.2025



8.6396, 8.5383, 10.6990



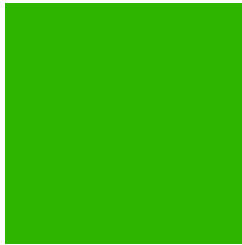
12.8164, 5.9429, 30.6086



0.4526, 0.2124, 0.9654

Previews

White Background



This preview shows how the XYZ color 17.6061, 33.6056, 5.5586 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 17.6061, 33.6056, 5.5586 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 17.6061, 33.6056, 5.5586

Background



This preview shows how black text looks on a background with the XYZ color 17.6061, 33.6056, 5.5586.



This preview shows how white text looks on a background with the XYZ color 17.6061, 33.6056,

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

17.6061, 33.6056, 5.5586

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.7211, 33.0621, 6.5238



Tritanopia

26.2839, 33.3611, 49.3100

Trichromacy



Original Color

17.6061, 33.6056, 5.5586



Protanomaly

22.3572, 31.4995, 4.9017



Deuteranomaly

23.7308, 30.8745, 5.6283



Tritanomaly

20.6945, 32.4877, 21.7030

Monochromacy



Original Color

17.6061, 33.6056, 5.5586



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.4917, 22.1950, 10.3050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6061, 33.6056, 5.5586 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(45, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 181, 0)  
}
```

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(45, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.6061, 33.6056, 5.5586 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(45, 181, 0) }
```


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

```
.border{ border-color:rgb(45, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 181, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6061, 33.6056, 5.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 181, 0) }
```

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

```
.background{ background-color: rgb(45, 181,  
0) }
```

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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