

Converting Colors

XYZ(17.7988, 33.5621, 12.0239)

Have a look what the booklet for
XYZ(17.7988, 33.5621, 12.0239)
contains.

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Color

**XYZ(17.7975, 33.5615,
12.0186)**

Conversions

Conversions Part 1

Format	Color
Hex	03B54A
RGB	3, 181, 74
RGB Percent	1%, 71%, 29%
CMY	0.9882, 0.2902, 0.7098
CMYK	0.98, 0.00, 0.59, 0.29
HSL	144°, 97%, 36%
HSV	144°, 98%, 71%
XYZ	17.7975, 33.5615, 12.0186
YIQ	115.5800, -71.7410, -71.0130

Conversions

Conversions Part 2

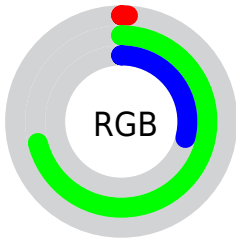
Format	Color
RYB	3, 130, 181
Decimal	243018
CIELab	64.61, -61.42, 43.05
CIElCh	65, 75.003, 144.973
Yxy	33.5615, 0.2808, 0.5295
Android (android.graphics.Color)	4278433098 (0xFF03B54A)
YUV	115.5800, -20.4989, -98.7327
Hunter-Lab	57.9323, -46.5441, 28.2523

Details

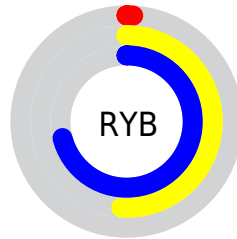
The XYZ color **17.7975, 33.5615, 12.0186** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.9045, 11.0155, 15.7264**, and the grayscale version is **16.5498, 17.4117, 18.9613**.

A 20% lighter version of the original color is **39.1643, 65.1422, 30.2482**, and **7.5962, 14.9759, 3.1997** is the 20% darker color. If you saturate the color by 10%, you get **17.7005, 33.5194, 11.7011**, and if you desaturate by 10%, it is **18.4712, 33.8637, 14.1330**.

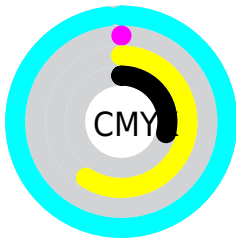
Distribution



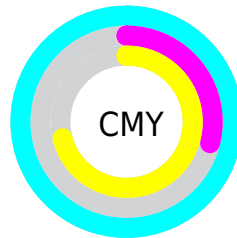
- Red (1%)
- Green (71%)
- Blue (29%)



- Red (1%)
- Yellow (51%)
- Blue (71%)



- Cyan (98%)
- Magenta (0%)
- Yellow (59%)
- Black (29%)



- Cyan (99%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7975, 33.5615, 12.0186 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 17.7975, 33.5615, 12.0186 by changing the saturation by 10% instead.


 17.7975, 33.5615,
12.0186


 17.7975, 33.5615,
12.0186


232.7949,
318.1723, 215.5107


 10.9035, 22.5569,
6.6337


 39.2248, 65.2512,
30.1939


 6.0688, 14.2667,
3.1591


 54.4887, 86.7051,
43.8213


 2.9280, 8.3064,
1.1764


 73.2734, 112.4109,
61.0333

 1.1158, 4.2916,
0.0000

 95.9442, 142.7530,
82.2484

 0.0383, 1.8380,
0.0000

 122.8663,
178.1158, 107.8851

 0.0000, 0.5107,
0.0000

 154.4053,

 0.0000, 0.0000,

218.8837, 138.3621

0.0000

190.9263,
265.4411, 174.0977

■ 17.7975, 33.5615,
12.0186

■ 17.7975, 33.5615,
12.0186

■ 17.7005, 33.5194,
11.7011

■ 18.4712, 33.8637,
14.1330

■ 19.4697, 34.3247,
16.6089

■ 20.8649, 34.9821,
19.4650

■ 22.7004, 35.8583,
22.7175

■ 25.0139, 36.9722,
26.3811

■ 27.8387, 38.3409,
30.4702

■ 31.2051, 39.9796,
34.9981

■ 35.1409, 41.9024,
39.9775

■ 39.6720, 44.1225,
45.4209

Harmonies

Analogous

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



23.9487, 33.5615, 4.8707



17.7975, 33.5615, 12.0186



15.4293, 33.5615, 31.6001

Triad

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



17.7975, 33.5615, 12.0186



30.1232, 33.5615, 132.8312



54.5279, 33.5615, 16.8244

Complementary

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



17.7975, 33.5615, 12.0186



21.9045, 11.0155, 15.7264

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.



57.2184, 33.5615, 41.9756



17.7975, 33.5615, 12.0186



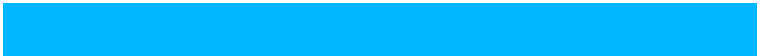
41.4393, 33.5615, 120.6837

Square

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



17.7975, 33.5615, 12.0186



21.4512, 33.5615, 109.5487



51.9809, 33.5615, 82.1011



45.2850, 33.5615, 6.3524

Rectangle

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



17.7975, 33.5615, 12.0186



15.8157, 33.5615, 54.0576



51.9809, 33.5615, 82.1011



56.3052, 33.5615, 23.2901

Sweetspot

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



17.7983, 33.5629, 12.0194



54.4960, 70.9225, 60.8558



23.3218, 36.5512, 5.9123



11.2316, 15.0626, 12.4211



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.



17.7983, 33.5629, 12.0194



31.5951, 59.9883, 20.4027



22.9281, 35.6148, 39.0325



8.5247, 9.5444, 9.7568



12.2342, 23.1197, 8.2361



0.4141, 0.7391, 0.4129

Inverse Universe

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



21.9045, 11.0155, 15.7264



38.9389, 19.5181, 26.9256



19.2520, 9.9545, 1.7587



8.7036, 8.5882, 9.9378



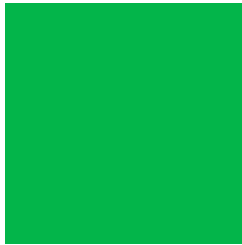
15.0676, 7.5446, 10.7817



0.5019, 0.2485, 0.4859

Previews

White Background



This preview shows how the XYZ color 17.7975, 33.5615, 12.0186 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 17.7975, 33.5615, 12.0186 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 17.7975, 33.5615, 12.0186

Background



This preview shows how black text looks on a background with the XYZ color 17.7975, 33.5615, 12.0186.



This preview shows how white text looks on a background with the XYZ color 17.7975, 33.5615,

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

17.7975, 33.5615, 12.0186

Protanopia

30.1054, 33.0545, 9.9477

Deuteranopia

33.3864, 32.7515, 12.7456



Tritanopia

25.6989, 33.5879, 50.4760

Trichromacy



Original Color

17.7975, 33.5615, 12.0186



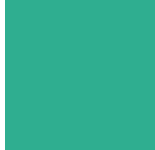
Protanomaly

21.0849, 30.7194, 10.4484



Deuteranomaly

22.0448, 29.8584, 12.1908



Tritanomaly

21.3424, 32.8901, 31.6091

Monochromacy



Original Color

17.7975, 33.5615, 12.0186



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.6287, 21.1916, 15.6313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7975, 33.5615, 12.0186 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(3, 181, 74)` looks like.

```
.text, #text, p{  
    color:rgb(3, 181, 74)  
}
```

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(3, 181, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 181, 74) }
```

Border

The CSS property to change the border of an element to XYZ 17.7975, 33.5615, 12.0186 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(3, 181, 74) }
```


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

```
.border{ border-color:rgb(3, 181, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 181, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 181, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 181, 74);  
box-shadow:4px 4px 4px 4px rgb(3, 181, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7975, 33.5615, 12.0186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 181, 74) }
```

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

```
.background{ background-color: rgb(3, 181,  
74) }
```

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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