

Converting Colors

XYZ(18.8356, 35.9694, 11.5128)

Have a look what the booklet for
XYZ(18.8356, 35.9694, 11.5128)
contains.

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Color

**XYZ(18.8445, 35.9703,
11.5800)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB45
RGB	0, 187, 69
RGB Percent	0%, 73%, 27%
CMY	1.0000, 0.2667, 0.7294
CMYK	1.00, 0.00, 0.63, 0.27
HSL	142°, 100%, 37%
HSV	142°, 100%, 73%
XYZ	18.8445, 35.9703, 11.5800
YIQ	117.6350, -73.5740, -76.3420

Conversions

Conversions Part 2

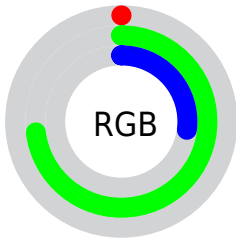
Format	Color
RYB	0, 137, 187
Decimal	47941
CIELab	66.50, -64.04, 47.48
CIELCh	66, 79.719, 143.446
Yxy	35.9703, 0.2838, 0.5418
Android (android.graphics.Color)	4278238021 (0xFF00BB45)
YUV	117.6350, -23.9771, -103.1659
Hunter-Lab	59.9752, -48.8712, 30.5350

Details

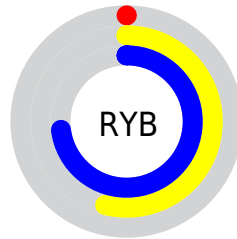
The XYZ color **18.8445, 35.9703, 11.5800** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **23.7647, 11.8734, 18.1802**, and the grayscale version is **17.1958, 18.0914, 19.7015**.

A 20% lighter version of the original color is **41.1406, 69.2820, 29.2936**, and **8.3117, 16.5267, 3.0685** is the 20% darker color. If you saturate the color by 10%, you get **18.8452, 35.9717, 11.5803**, and if you desaturate by 10%, it is **19.5117, 36.2687, 13.7183**.

Distribution



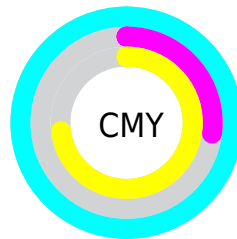
- Red (0%)
- Green (73%)
- Blue (27%)



- Red (0%)
- Yellow (54%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8445, 35.9703, 11.5800 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 18.8445, 35.9703, 11.5800 by changing the saturation by 10% instead.


 18.8445, 35.9703,
11.5800


 18.8445, 35.9703,
11.5800


238.5436,
328.8307, 212.4829


 11.6613, 24.4113,
6.3393


 40.9901, 68.9862,
29.3807


 6.5840, 15.6390,
2.9804


 56.6832, 91.2119,
42.7778


 3.2474, 9.2690,
1.0846


 75.9436, 117.7619,
59.7308

 1.2859, 4.9171,
0.0000

 99.1368, 149.0206,
80.6582

 0.1726, 2.1987,
0.0000

 126.6280,
185.3725, 105.9785

 0.0000, 0.7193,
0.0000

 158.7826,

 0.0000, 0.0000,

227.2018, 136.1104

0.0000

195.9661,
274.8931, 171.4724

■ 18.8445, 35.9703,
11.5800

■ 18.8445, 35.9703,
11.5800

■ 18.8452, 35.9717,
11.5803

■ 19.5117, 36.2687,
13.7183

■ 20.5069, 36.7262,
16.2723

■ 21.9271, 37.3936,
19.2667

■ 23.8219, 38.2958,
22.7218

■ 26.2333, 39.4544,
26.6566

■ 29.1988, 40.8881,
31.0890

■ 32.7520, 42.6140,
36.0358

■ 36.9239, 44.6478,
41.5131

■ 41.7432, 47.0040,
47.5362

Harmonies

Analogous

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



25.8316, 35.9703, 4.4905



18.8445, 35.9703, 11.5800



16.0551, 35.9703, 32.1195

Triad

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



18.8445, 35.9703, 11.5800



31.6307, 35.9703, 147.7766



59.9205, 35.9703, 18.3725

Complementary

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



18.8445, 35.9703, 11.5800



23.7647, 11.8734, 18.1802

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.



62.4979, 35.9703, 47.1734



18.8445, 35.9703, 11.5800



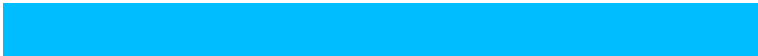
44.1779, 35.9703, 135.9715

Square

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



18.8445, 35.9703, 11.5800



22.2410, 35.9703, 119.4552



56.1856, 35.9703, 92.9354



49.7935, 35.9703, 6.5084

Rectangle

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



18.8445, 35.9703, 11.5800



16.3468, 35.9703, 56.5602



56.1856, 35.9703, 92.9354



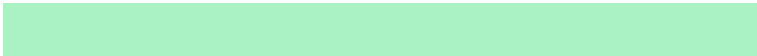
61.7830, 35.9703, 25.7620

Sweetspot

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



18.8454, 35.9718, 11.5808



58.3208, 76.1553, 64.0836



25.3018, 39.4243, 6.2762



12.2254, 16.4703, 13.2649



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.8454, 35.9718, 11.5808



33.6460, 64.3809, 20.1897



24.2989, 38.1532, 40.2987



9.5504, 10.7063, 10.8820



13.0162, 24.7968, 8.1482



0.5417, 0.9840, 0.4869

Inverse Universe

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



23.7647, 11.8734, 18.1802



42.4424, 21.2169, 31.9367



20.6692, 10.6352, 1.8796



9.7765, 9.6349, 11.2123



16.4091, 8.1948, 12.7137



0.6733, 0.3332, 0.6589

Previews

White Background



This preview shows how the XYZ color 18.8445, 35.9703, 11.5800 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 18.8445, 35.9703, 11.5800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

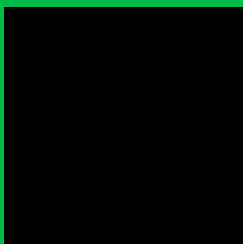
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

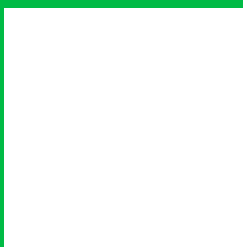
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8445, 35.9703, 11.5800

Background



This preview shows how black text looks on a background with the XYZ color 18.8445, 35.9703, 11.5800.



This preview shows how white text looks on a background with the XYZ color 18.8445, 35.9703,

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

18.8445, 35.9703, 11.5800

Protanopia

32.1776, 35.4104, 9.5538

Deuteranopia

36.0912, 35.3527, 12.3187



Tritanopia

27.4169, 35.8299, 53.6150

Trichromacy



Original Color

18.8445, 35.9703, 11.5800



Protanomaly

22.2396, 32.6970, 9.9895



Deuteranomaly

23.3293, 31.8539, 11.5754



Tritanomaly

22.4499, 34.9129, 32.3437

Monochromacy



Original Color

18.8445, 35.9703, 11.5800



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.0244, 22.0609, 15.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8445, 35.9703, 11.5800 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, 187, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 69)  
}
```

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, 187, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 69) }
```

Border

The CSS property to change the border of an element to XYZ 18.8445, 35.9703, 11.5800 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, 187, 69) }
```


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

```
.border{ border-color:rgb(0, 187, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 187, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8445, 35.9703, 11.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 69) }
```

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

```
.background{ background-color: rgb(0, 187,  
69) }
```

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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