

Converting Colors

XYZ(18.6644, 35.5600, 11.6744)

Have a look what the booklet for
XYZ(18.6644, 35.5600, 11.6744)
contains.

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Color

**XYZ(18.6644, 35.5600,
11.6744)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA46
RGB	0, 186, 70
RGB Percent	0%, 73%, 27%
CMY	1.0000, 0.2706, 0.7255
CMYK	1.00, 0.00, 0.62, 0.27
HSL	143°, 100%, 36%
HSV	143°, 100%, 73%
XYZ	18.6644, 35.5600, 11.6744
YIQ	117.1620, -73.6200, -75.5080

Conversions

Conversions Part 2

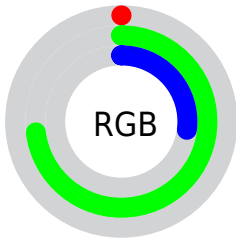
Format	Color
RYB	0, 135, 186
Decimal	47686
CIELab	66.18, -63.61, 46.68
CIELCh	66, 78.902, 143.728
Yxy	35.5600, 0.2832, 0.5396
Android (android.graphics.Color)	4278237766 (0xFF00BA46)
YUV	117.1620, -23.2509, -102.7511
Hunter-Lab	59.6322, -48.4873, 30.1351

Details

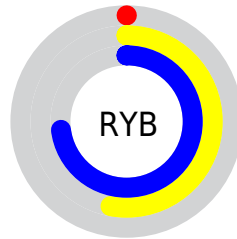
The XYZ color **18.6644, 35.5600, 11.6744** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **23.4032, 11.7007, 17.5496**, and the grayscale version is **17.0461, 17.9338, 19.5300**.

A 20% lighter version of the original color is **40.4932, 68.0477, 29.4127**, and **8.1889, 16.2617, 3.0880** is the 20% darker color. If you saturate the color by 10%, you get **18.6651, 35.5614, 11.6746**, and if you desaturate by 10%, it is **19.3285, 35.8569, 13.8062**.

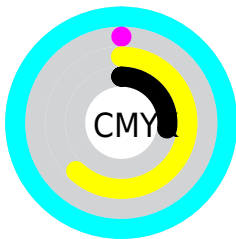
Distribution



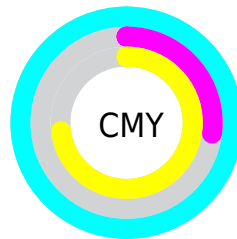
- Red (0%)
- Green (73%)
- Blue (27%)



- Red (0%)
- Yellow (53%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6644, 35.5600, 11.6744 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 18.6644, 35.5600, 11.6744 by changing the saturation by 10% instead.


 18.6644, 35.5600,
11.6744


 18.6644, 35.5600,
11.6744


237.5636,
327.0333, 213.1385


 11.5306, 24.0946,
6.4025


 40.6875, 68.3524,
29.5562


 6.4948, 15.4038,
3.0186


 56.3075, 90.4481,
43.0031

 3.1917, 9.1033,
1.1042


 75.4870, 116.8561,
60.0122

 1.2559, 4.8086,
0.0000

 98.5913, 147.9607,
81.0020

 0.1499, 2.1354,
0.0000

 125.9857,
184.1464, 106.3910

 0.0000, 0.6844,
0.0000

 158.0357,

 0.0000, 0.0000,

225.7974, 136.5977

0.0000

195.1065,
273.2982, 172.0407

■ 18.6644, 35.5600,
11.6744

■ 18.6644, 35.5600,
11.6744

■ 18.6651, 35.5614,
11.6746

■ 19.3285, 35.8569,
13.8062

■ 20.3148, 36.3103,
16.3413

■ 21.7194, 36.9703,
19.3032

■ 23.5910, 37.8616,
22.7114

■ 25.9711, 39.0054,
26.5838

■ 28.8964, 40.4201,
30.9375

■ 32.4001, 42.1225,
35.7886

■ 36.5125, 44.1281,
41.1524

■ 41.2620, 46.4511,
47.0436

Harmonies

Analogous

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



25.5008, 35.5600, 4.5615



18.6644, 35.5600, 11.6744



15.9527, 35.5600, 32.0738

Triad

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



18.6644, 35.5600, 11.6744



31.3910, 35.5600, 145.1671



58.9769, 35.5600, 18.0876

Complementary

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



18.6644, 35.5600, 11.6744



23.4032, 11.7007, 17.5496

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.



61.5858, 35.5600, 46.2234



18.6644, 35.5600, 11.6744



43.7258, 35.5600, 133.2472

Square

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



18.6644, 35.5600, 11.6744



22.1205, 35.5600, 117.7809



55.4726, 35.5600, 90.9763



48.9984, 35.5600, 6.4791

Rectangle

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



18.6644, 35.5600, 11.6744



16.2638, 35.5600, 56.1866



55.4726, 35.5600, 90.9763



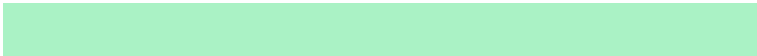
60.8280, 35.5600, 25.3079

Sweetspot

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



18.6653, 35.5615, 11.6752



58.3819, 76.1797, 64.4056



25.0043, 38.9570, 6.2018



12.2401, 16.4762, 13.3423



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.



18.6653, 35.5615, 11.6752



33.7222, 64.4114, 20.5908



24.0107, 37.6996, 39.8237



9.0264, 10.1145, 10.2965



12.5906, 23.9372, 8.0320



0.4743, 0.8560, 0.4435

Inverse Universe

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



23.4032, 11.7007, 17.5496



42.2964, 21.1586, 31.1679



20.4239, 10.5090, 1.8607



9.2337, 9.1039, 10.5782



15.7815, 7.8864, 12.0023



0.5853, 0.2896, 0.5758

Previews

White Background



This preview shows how the XYZ color 18.6644, 35.5600, 11.6744 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 18.6644, 35.5600, 11.6744 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 18.6644, 35.5600, 11.6744

Background



This preview shows how black text looks on a background with the XYZ color 18.6644, 35.5600, 11.6744.



This preview shows how white text looks on a background with the XYZ color 18.6644, 35.5600,

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

18.6644, 35.5600, 11.6744

Protanopia

31.8004, 34.9544, 9.6282

Deuteranopia

35.4412, 34.7714, 12.4330



Tritanopia

27.0372, 35.3588, 52.9769

Trichromacy



Original Color

18.6644, 35.5600, 11.6744



Protanomaly

21.9522, 32.2683, 10.0724



Deuteranomaly

23.0374, 31.4327, 11.6904



Tritanomaly

22.2035, 34.4895, 32.2749

Monochromacy



Original Color

18.6644, 35.5600, 11.6744



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.7973, 21.7219, 15.4694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6644, 35.5600, 11.6744 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, 186, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 70)  
}
```

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, 186, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 70) }
```

Border

The CSS property to change the border of an element to XYZ 18.6644, 35.5600, 11.6744 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, 186, 70) }
```


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

```
.border{ border-color:rgb(0, 186, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6644, 35.5600, 11.6744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 70) }
```

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

```
.background{ background-color: rgb(0, 186,  
70) }
```

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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