

# Converting Colors

XYZ(18.6935, 37.3740, 6.2714)

Have a look what the booklet for  
XYZ(18.6935, 37.3740, 6.2714)  
contains.

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# Color

**XYZ(18.6418, 37.2660,  
6.2680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BF02
RGB	0, 191, 2
RGB Percent	0%, 75%, 1%
CMY	1.0000, 0.2510, 0.9921
CMYK	1.00, 0.00, 0.99, 0.25
HSL	121°, 100%, 37%
HSV	121°, 100%, 75%
XYZ	18.6418, 37.2660, 6.2680
YIQ	112.3450, -53.1670, -99.2710

# Conversions

## Conversions Part 2

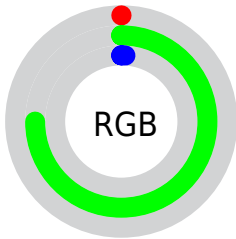
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 189, 191
Decimal	48898
CIELab	67.48, -69.31, 66.70
CIELCh	67, 96.189, 136.098
Yxy	37.2660, 0.2998, 0.5994
Android (android.graphics.Color)	4278238978 (0xFF00BF02)
YUV	112.3450, -54.4001, -98.5266
Hunter-Lab	61.0459, -52.3211, 36.6444

# Details

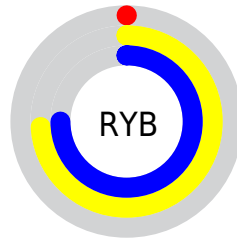
The XYZ color **18.6418, 37.2660, 6.2680** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **30.6704, 14.7504, 49.3662**, and the grayscale version is **15.6707, 16.4868, 17.9541**.

A 20% lighter version of the original color is **40.7665, 71.1407, 18.9800**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.6426, 37.2675, 6.2687**, and if you desaturate by 10%, it is **19.0367, 37.4564, 6.9321**.

# Distribution



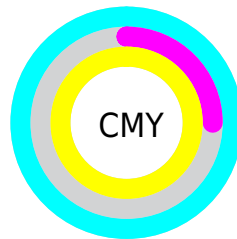
- Red (0%)
- Green (75%)
- Blue (1%)



- Red (0%)
- Yellow (74%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (99%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6418, 37.2660, 6.2680 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 18.6418, 37.2660, 6.2680 by changing the saturation by 10% instead.





 18.6418, 37.2660,  
6.2680


 18.6418, 37.2660,  
6.2680


237.4404,  
334.4607, 170.8280


 11.5142, 25.4135,  
2.9373


 40.6495, 70.9817,  
18.9719


 6.4836, 16.3854,  
1.0627


 56.2603, 93.6137,  
29.1821


 3.1848, 9.7973,  
0.0000


 75.4296, 120.6077,  
42.5226

 1.2522, 5.2648,  
0.0000

 98.5227, 152.3480,  
59.4119

 0.1470, 2.4034,  
0.0000

 125.9050,  
189.2191, 80.2686

 0.0000, 0.8277,  
0.0000

 157.9418,

 0.0000, 0.0000,

231.6053, 105.5111

0.0000

194.9984,  
279.8910, 135.5581

■ 18.6418, 37.2660,  
6.2680

■ 18.6418, 37.2660,  
6.2680

■ 18.6426, 37.2675,  
6.2687

■ 19.0367, 37.4564,  
6.9321

■ 19.8183, 37.8310,  
8.2489

■ 21.1184, 38.4548,  
10.4088

■ 23.0057, 39.3608,  
13.5205

■ 25.5386, 40.5772,  
17.6770

■ 28.7683, 42.1286,  
22.9598

■ 32.7410, 44.0372,  
29.4426

■ 37.4989, 46.3234,  
37.1927

■ 43.0810, 49.0059,  
46.2726

# Harmonies

## Analogous

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



28.1131, 37.2660, 1.8598



18.6418, 37.2660, 6.2680



14.3822, 37.2660, 24.0002

# Triad

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



18.6418, 37.2660, 6.2680



29.0240, 37.2660, 181.8603



70.3236, 37.2660, 21.9406

# Complementary

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



18.6418, 37.2660, 6.2680



30.6704, 14.7504, 49.3662

# 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.



70.7695, 37.2660, 63.4301



18.6418, 37.2660, 6.2680



43.8950, 37.2660, 179.6760

# Square

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



18.6418, 37.2660, 6.2680



19.1480, 37.2660, 131.9527



60.0836, 37.2660, 127.1737



58.9956, 37.2660, 5.6546



# Rectangle

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



18.6418, 37.2660, 6.2680



14.0172, 37.2660, 49.8462



60.0836, 37.2660, 127.1737



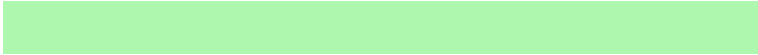
71.8399, 37.2660, 32.5335

# Sweetspot

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



18.6427, 37.2675, 6.2688



58.2666, 78.6898, 52.1259



40.1183, 48.3399, 7.2162



12.0973, 16.9444, 10.3086



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



18.6427, 37.2675, 6.2688



33.3822, 66.7415, 11.1980



20.7201, 38.0985, 17.2085



9.4128, 10.6512, 10.1572



12.2531, 24.4915, 4.1295



0.4814, 0.9599, 0.1692



# Inverse Universe

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



30.6704, 14.7504, 49.3662



54.9225, 26.4143, 88.3789



23.5753, 11.9123, 12.0036



9.9255, 9.6945, 11.9968



20.1574, 9.6941, 32.4522

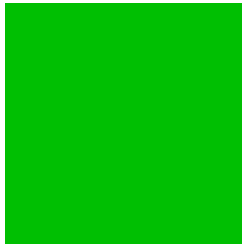


0.7910, 0.3803, 1.2786



# Previews

## White Background



This preview shows how the XYZ color 18.6418, 37.2660, 6.2680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

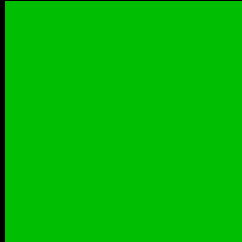
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 18.6418, 37.2660, 6.2680 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 18.6418, 37.2660, 6.2680**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.6418, 37.2660, 6.2680.



This preview shows how white text looks on a background with the XYZ color 18.6418, 37.2660,



# 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

18.6418, 37.2660, 6.2680

### Protanopia

33.0426, 36.7413, 5.3502

### Deuteranopia

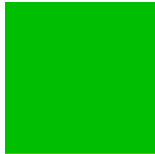
37.2984, 36.5819, 7.1930



## Tritanopia

28.7431, 37.3520, 55.5639

# Trichromacy



## Original Color

18.6418, 37.2660, 6.2680



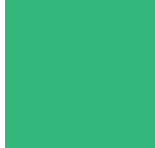
## Protanomaly

22.4776, 34.0562, 5.4175



## Deuteranomaly

23.4064, 32.8302, 6.1401



## Tritanomaly

21.8739, 36.0008, 24.5349

# Monochromacy



## Original Color

18.6418, 37.2660, 6.2680



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

13.2931, 20.8572, 9.4561

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.6418, 37.2660, 6.2680 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, 191, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 2)  
}
```

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, 191, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 2) }
```

## Border

The CSS property to change the border of an element to XYZ 18.6418, 37.2660, 6.2680 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, 191, 2) }
```



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

```
.border{ border-color:rgb(0, 191, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 191, 2); box-shadow:4px  
4px 4px 4px rgb(0, 191, 2) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.6418, 37.2660, 6.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 2) }
```

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

```
.background{ background-color: rgb(0, 191,  
2) }
```

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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