

Converting Colors

XYZ(18.7203, 37.3847, 6.4125)

Have a look what the booklet for
XYZ(18.7203, 37.3847, 6.4125)
contains.

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Color

**XYZ(18.6637, 37.2748,
6.3834)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF06
RGB	0, 191, 6
RGB Percent	0%, 75%, 2%
CMY	1.0000, 0.2510, 0.9764
CMYK	1.00, 0.00, 0.97, 0.25
HSL	122°, 100%, 37%
HSV	122°, 100%, 75%
XYZ	18.6637, 37.2748, 6.3834
YIQ	112.8010, -54.4510, -98.0270

Conversions

Conversions Part 2

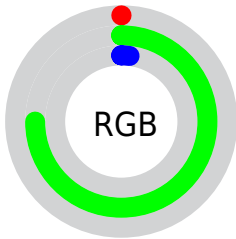
Format	Color
RYB	0, 185, 191
Decimal	48902
CIELab	67.48, -69.22, 66.24
CIELCh	67, 95.809, 136.260
Yxy	37.2748, 0.2995, 0.5981
Android (android.graphics.Color)	4278238982 (0xFF00BF06)
YUV	112.8010, -52.6529, -98.9265
Hunter-Lab	61.0531, -52.2761, 36.5381

Details

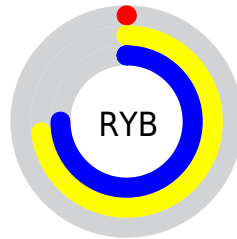
The XYZ color **18.6637, 37.2748, 6.3834** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **30.2418, 14.5789, 47.1092**, and the grayscale version is **15.8011, 16.6240, 18.1036**.

A 20% lighter version of the original color is **40.6905, 71.0973, 19.1680**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.6646, 37.2763, 6.3842**, and if you desaturate by 10%, it is **19.0724, 37.4707, 7.1201**.

Distribution



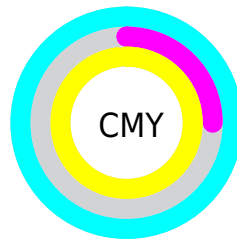
- Red (0%)
- Green (75%)
- Blue (2%)



- Red (0%)
- Yellow (73%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6637, 37.2748, 6.3834 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 18.6637, 37.2748, 6.3834 by changing the saturation by 10% instead.

■ 18.6637, 37.2748,
6.3834

■ 18.6637, 37.2748,
6.3834

237.5598,
334.4987, 171.8688

■ 11.5301, 25.4203,
3.0070

■ 40.6863, 70.9952,
19.2129

■ 6.4945, 16.3905,
1.0982

■ 56.3061, 93.6300,
29.5031

■ 3.1915, 9.8009,
0.0000

■ 75.4852, 120.6269,
42.9350

■ 1.2558, 5.2671,
0.0000

■ 98.5892, 152.3705,
59.9271

■ 0.1498, 2.4048,
0.0000

■ 125.9832,
189.2451, 80.8980

■ 0.0000, 0.8284,
0.0000

■ 158.0328,

■ 0.0000, 0.0000,

231.6350, 106.2663

0.0000

195.1032,
279.9248, 136.4504

■ 18.6637, 37.2748,
6.3834

■ 18.6637, 37.2748,
6.3834

■ 18.6646, 37.2763,
6.3842

■ 19.0724, 37.4707,
7.1201

■ 19.8747, 37.8536,
8.5462

■ 21.1924, 38.4844,
10.7994

■ 23.0926, 39.3955,
13.9792

■ 25.6321, 40.6146,
18.1710

■ 28.8611, 42.1657,
23.4506

■ 32.8248, 44.0707,
29.8864

■ 37.5646, 46.3496,
37.5415

■ 43.1186, 49.0209,
46.4740

Harmonies

Analogous

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



28.0808, 37.2748, 1.9092



18.6637, 37.2748, 6.3834



14.4361, 37.2748, 24.2194

Triad

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



18.6637, 37.2748, 6.3834



29.1233, 37.2748, 181.1886



70.1313, 37.2748, 21.8595

Complementary

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



18.6637, 37.2748, 6.3834



30.2418, 14.5789, 47.1092

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.



70.6405, 37.2748, 63.0389



18.6637, 37.2748, 6.3834



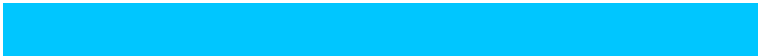
43.9578, 37.2748, 178.6982

Square

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



18.6637, 37.2748, 6.3834



19.2438, 37.2748, 131.8152



60.0596, 37.2748, 126.3632



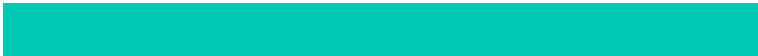
58.8167, 37.2748, 5.6766

Rectangle

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



18.6637, 37.2748, 6.3834



14.0866, 37.2748, 50.0808



60.0596, 37.2748, 126.3632



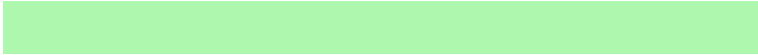
71.6608, 37.2748, 32.3741

Sweetspot

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



18.6646, 37.2763, 6.3842



58.4191, 78.7508, 52.9287



39.3263, 47.9317, 7.1790



12.1326, 16.9585, 10.4946



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.



18.6646, 37.2763, 6.3842



33.4106, 66.7529, 11.3476



20.8687, 38.1580, 17.9910



9.4206, 10.6544, 10.1986



12.2712, 24.4988, 4.2251



0.4849, 0.9613, 0.1877

Inverse Universe

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



30.2418, 14.5789, 47.1092



54.1431, 26.1026, 84.2745



23.4325, 11.8551, 11.2516



9.9166, 9.6909, 11.9499



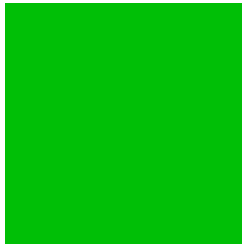
19.8796, 9.5830, 30.9892



0.7828, 0.3770, 1.2355

Previews

White Background



This preview shows how the XYZ color 18.6637, 37.2748, 6.3834 looks on a white background.

Color Contrast Check

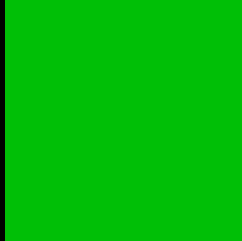
Large Text (above 18pt) WCAG AA × Fail

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 18.6637, 37.2748, 6.3834 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 18.6637, 37.2748, 6.3834

Background



This preview shows how black text looks on a background with the XYZ color 18.6637, 37.2748, 6.3834.



This preview shows how white text looks on a background with the XYZ color 18.6637, 37.2748,

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

18.6637, 37.2748, 6.3834

Protanopia

33.0426, 36.7413, 5.3502

Deuteranopia

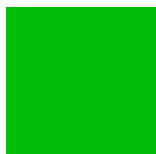
37.3161, 36.5890, 7.2861



Tritanopia

28.7431, 37.3520, 55.5639

Trichromacy



Original Color

18.6637, 37.2748, 6.3834



Protanomaly

22.4831, 34.0584, 5.4464



Deuteranomaly

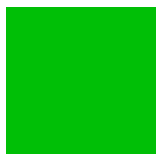
23.4303, 32.8398, 6.2662



Tritanomaly

21.9368, 36.0260, 24.8663

Monochromacy



Original Color

18.6637, 37.2748, 6.3834



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.4334, 20.9219, 9.8089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6637, 37.2748, 6.3834 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 6) }
```

Border

The CSS property to change the border of an element to XYZ 18.6637, 37.2748, 6.3834 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, 6) }
```


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

```
.border{ border-color:rgb(0, 191, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 191, 6); box-shadow:4px  
4px 4px 4px rgb(0, 191, 6) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6637, 37.2748, 6.3834 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, 6) }
```

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

```
.background{ background-color: rgb(0, 191,  
6) }
```

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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