

Converting Colors

XYZ(18.7022, 37.3795, 6.2300)

Have a look what the booklet for
XYZ(18.7022, 37.3795, 6.2300)
contains.

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Color

**XYZ(18.6433, 37.2681,
6.2109)**

Conversions

Conversions Part 1

Format	Color
Hex	01BF00
RGB	1, 191, 0
RGB Percent	0%, 75%, 0%
CMY	0.9961, 0.2510, 0.9999
CMYK	0.99, 0.00, 1.00, 0.25
HSL	120°, 100%, 37%
HSV	120°, 100%, 75%
XYZ	18.6433, 37.2681, 6.2109
YIQ	112.4160, -51.9290, -99.6810

Conversions

Conversions Part 2

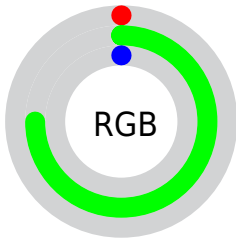
Format	Color
RYB	0, 191, 190
Decimal	114432
CIELab	67.48, -69.31, 66.94
CIELCh	67, 96.353, 135.995
Yxy	37.2681, 0.3001, 0.5999
Android (android.graphics.Color)	4278304512 (0xFF01BF00)
YUV	112.4160, -55.4211, -97.7118
Hunter-Lab	61.0476, -52.3213, 36.7012

Details

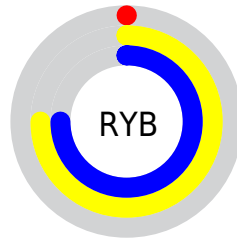
The XYZ color **18.6433, 37.2681, 6.2109** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **30.6474, 14.7133, 50.5169**, and the grayscale version is **15.6937, 16.5110, 17.9805**.

A 20% lighter version of the original color is **40.7303, 71.1262, 18.7898**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.6438, 37.2695, 6.2111**, and if you desaturate by 10%, it is **19.0386, 37.4593, 6.8485**.

Distribution



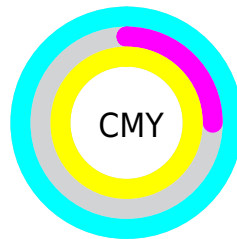
- Red (0%)
- Green (75%)
- Blue (0%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6433, 37.2681, 6.2109 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 18.6433, 37.2681, 6.2109 by changing the saturation by 10% instead.


 18.6433, 37.2681,
6.2109


 18.6433, 37.2681,
6.2109


237.4485,
334.4698, 170.3098


 11.5153, 25.4151,
2.9029


 40.6520, 70.9849,
18.8523


 6.4844, 16.3866,
1.0453


 56.2635, 93.6176,
29.0227


 3.1852, 9.7981,
0.0000


 75.4334, 120.6123,
42.3177

 1.2525, 5.2653,
0.0000

 98.5273, 152.3534,
59.1558

 0.1472, 2.4038,
0.0000

 125.9104,
189.2253, 79.9555

 0.0000, 0.8278,
0.0000

 157.9480,

 0.0000, 0.0000,

231.6124, 105.1354

0.0000

195.0056,
279.8991, 135.1140

■ 18.6433, 37.2681,
6.2109

■ 18.6433, 37.2681,
6.2109

■ 18.6438, 37.2695,
6.2111

■ 19.0386, 37.4593,
6.8485

■ 19.8218, 37.8359,
8.1109

■ 21.1234, 38.4615,
10.2238

■ 23.0120, 39.3690,
13.3010

■ 25.5460, 40.5863,
17.4392

■ 28.7765, 42.1381,
22.7232

■ 32.7496, 44.0464,
29.2293

■ 37.5074, 46.3315,
37.0271

■ 43.0889, 49.0120,
46.1812

Harmonies

Analogous

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



28.1452, 37.2681, 1.8379



18.6433, 37.2681, 6.2109



14.3642, 37.2681, 23.8789

Triad

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



18.6433, 37.2681, 6.2109



28.9724, 37.2681, 182.1381



70.4226, 37.2681, 22.0095

Complementary

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



18.6433, 37.2681, 6.2109



30.6474, 14.7133, 50.5169

Split Complementary

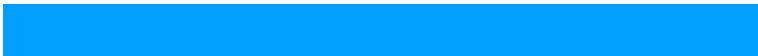
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.8280, 37.2681, 63.6688



18.6433, 37.2681, 6.2109



43.8565, 37.2681, 180.1514

Square

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



18.6433, 37.2681, 6.2109



19.1027, 37.2681, 131.9558



60.0860, 37.2681, 127.6100



59.0972, 37.2681, 5.6555

Rectangle

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



18.6433, 37.2681, 6.2109



13.9894, 37.2681, 49.6998



60.0860, 37.2681, 127.6100



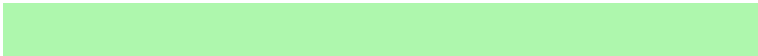
71.9291, 37.2681, 32.6478

Sweetspot

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



18.6442, 37.2696, 6.2117



58.2743, 78.7025, 51.7285



39.4318, 46.9667, 6.9878



12.0990, 16.9474, 10.2167



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.



18.6442, 37.2696, 6.2117



33.3837, 66.7439, 11.1234



20.5781, 38.0418, 16.4592



9.4132, 10.6519, 10.1365



12.2540, 24.4930, 4.0818



0.4816, 0.9602, 0.1600

Inverse Universe

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



30.6474, 14.7133, 50.5169



54.8800, 26.3461, 90.4719



23.7246, 11.9723, 12.7887



9.9251, 9.6938, 12.0202



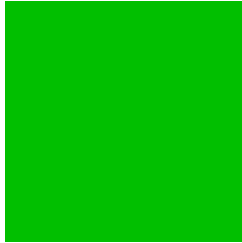
20.1423, 9.6698, 33.1977



0.7906, 0.3796, 1.3005

Previews

White Background



This preview shows how the XYZ color 18.6433, 37.2681, 6.2109 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 18.6433, 37.2681, 6.2109 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 18.6433, 37.2681, 6.2109

Background



This preview shows how black text looks on a background with the XYZ color 18.6433, 37.2681, 6.2109.



This preview shows how white text looks on a background with the XYZ color 18.6433, 37.2681,

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

18.6433, 37.2681, 6.2109

Protanopia

33.0426, 36.7413, 5.3502

Deuteranopia

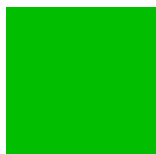
37.2984, 36.5819, 7.1930



Tritanopia

28.7431, 37.3520, 55.5639

Trichromacy



Original Color

18.6433, 37.2681, 6.2109



Protanomaly

22.4722, 34.0540, 5.3887



Deuteranomaly

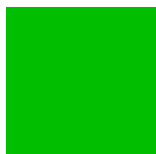
23.5492, 32.9051, 6.0874



Tritanomaly

21.8116, 35.9759, 24.2068

Monochromacy



Original Color

18.6433, 37.2681, 6.2109



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.3347, 20.8824, 9.2891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6433, 37.2681, 6.2109 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(1, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 0)  
}
```

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(1, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.6433, 37.2681, 6.2109 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(1, 191, 0) }
```


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

```
.border{ border-color:rgb(1, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 191, 0); box-shadow:4px  
4px 4px 4px rgb(1, 191, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6433, 37.2681, 6.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 0) }
```

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

```
.background{ background-color: rgb(1, 191,  
0) }
```

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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