

Converting Colors

XYZ(18.7959, 37.4150, 6.8106)

Have a look what the booklet for
XYZ(18.7959, 37.4150, 6.8106)
contains.

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Color

**XYZ(18.7400, 37.3053,
6.7852)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF12
RGB	0, 191, 18
RGB Percent	0%, 75%, 7%
CMY	1.0000, 0.2510, 0.9294
CMYK	1.00, 0.00, 0.91, 0.25
HSL	126°, 100%, 37%
HSV	126°, 100%, 75%
XYZ	18.7400, 37.3053, 6.7852
YIQ	114.1690, -58.3030, -94.2950

Conversions

Conversions Part 2

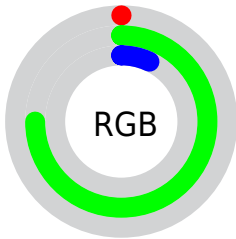
Format	Color
RYB	0, 175, 191
Decimal	48914
CIELab	67.51, -68.92, 64.68
CIELCh	68, 94.521, 136.818
Yxy	37.3053, 0.2983, 0.5937
Android (android.graphics.Color)	4278238994 (0xFF00BF12)
YUV	114.1690, -47.4113, -100.1262
Hunter-Lab	61.0781, -52.1192, 36.1681

Details

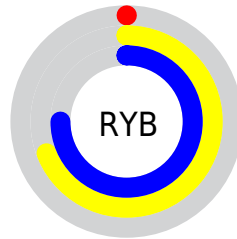
The XYZ color **18.7400, 37.3053, 6.7852** is a dark color, and the websafe version is hex **00CC33**. A complement of this color would be **29.0287, 14.0936, 40.7211**, and the grayscale version is **16.1968, 17.0403, 18.5569**.

A 20% lighter version of the original color is **40.8427, 71.1582, 19.9698**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.7408, 37.3068, 6.7860**, and if you desaturate by 10%, it is **19.2101, 37.5258, 7.8453**.

Distribution



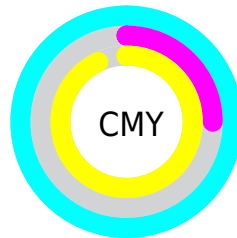
- Red (0%)
- Green (75%)
- Blue (7%)



- Red (0%)
- Yellow (69%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (91%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7400, 37.3053, 6.7852 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 18.7400, 37.3053, 6.7852 by changing the saturation by 10% instead.


 18.7400, 37.3053,
6.7852


 18.7400, 37.3053,
6.7852


237.9754,
334.6304, 175.4294


 11.5854, 25.4440,
3.2517


 40.8146, 71.0421,
20.0452


 6.5322, 16.4081,
1.2246


 56.4653, 93.6863,
30.6089


 3.2150, 9.8134,
0.0000


 75.6788, 120.6937,
44.3530

 1.2685, 5.2754,
0.0000

 98.8205, 152.4485,
61.6961

 0.1594, 2.4098,
0.0000

 126.2556,
189.3351, 83.0567

 0.0000, 0.8309,
0.0000

 158.3495,

 0.0000, 0.0000,

231.7381, 108.8535

0.0000

195.4677,
280.0417, 139.5049

■ 18.7400, 37.3053,
6.7852

■ 18.7400, 37.3053,
6.7852

■ 18.7408, 37.3068,
6.7860

■ 19.2101, 37.5258,
7.8453

■ 20.0721, 37.9325,
9.5853

■ 21.4389, 38.5830,
12.0969

■ 23.3730, 39.5077,
15.4557

■ 25.9279, 40.7329,
19.7284

■ 29.1507, 42.2815,
24.9748

■ 33.0839, 44.1744,
31.2500

■ 37.7667, 46.4305,
38.6047

■ 43.2351, 49.0675,
47.0862

Harmonies

Analogous

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



27.9739, 37.3053, 2.0837



18.7400, 37.3053, 6.7852



14.6210, 37.3053, 24.9704

Triad

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



18.7400, 37.3053, 6.7852



29.4612, 37.3053, 178.9111



69.4815, 37.3053, 21.5906

Complementary

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



18.7400, 37.3053, 6.7852



29.0287, 14.0936, 40.7211

Split Complementary

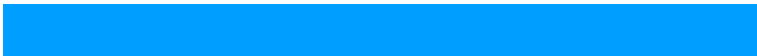
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2023, 37.3053, 61.7306



18.7400, 37.3053, 6.7852



44.1694, 37.3053, 175.4042

Square

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



18.7400, 37.3053, 6.7852



19.5713, 37.3053, 131.3369



59.9760, 37.3053, 123.6438



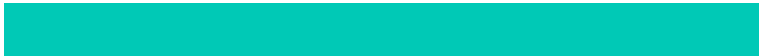
58.2143, 37.3053, 5.7537

Rectangle

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



18.7400, 37.3053, 6.7852



14.3247, 37.3053, 50.8759



59.9760, 37.3053, 123.6438



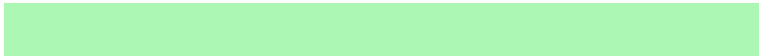
71.0548, 37.3053, 31.8427

Sweetspot

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



18.7409, 37.3068, 6.7860



58.8863, 78.9377, 55.3892



36.3302, 46.3871, 7.0388



12.2413, 17.0020, 11.0672



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.



18.7409, 37.3068, 6.7860



33.5258, 66.7990, 11.9544



21.5240, 38.4201, 21.4416



9.4444, 10.6639, 10.3235



12.3295, 24.5221, 4.5320



0.4954, 0.9655, 0.2431

Inverse Universe

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



29.0287, 14.0936, 40.7211



51.9391, 25.2210, 72.6687



22.9194, 11.6499, 8.5500



9.8901, 9.6803, 11.8104



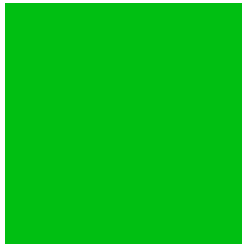
19.0926, 9.2682, 26.8450



0.7593, 0.3676, 1.1117

Previews

White Background



This preview shows how the XYZ color 18.7400, 37.3053, 6.7852 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 18.7400, 37.3053, 6.7852 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 18.7400, 37.3053, 6.7852

Background



This preview shows how black text looks on a background with the XYZ color 18.7400, 37.3053, 6.7852.

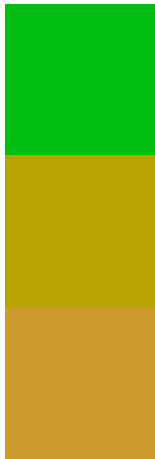


This preview shows how white text looks on a background with the XYZ color 18.7400, 37.3053,

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

18.7400, 37.3053, 6.7852

Protanopia

33.0426, 36.7413, 5.3502

Deuteranopia

37.3528, 36.6037, 7.4794



Tritanopia

28.7431, 37.3520, 55.5639

Trichromacy



Original Color

18.7400, 37.3053, 6.7852



Protanomaly

22.5105, 34.0694, 5.5906



Deuteranomaly

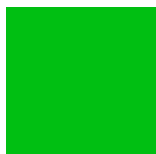
23.5119, 32.8724, 6.6959



Tritanomaly

22.2612, 36.1558, 26.5744

Monochromacy



Original Color

18.7400, 37.3053, 6.7852



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.8319, 21.3270, 10.7846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7400, 37.3053, 6.7852 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 18) }
```

Border

The CSS property to change the border of an element to XYZ 18.7400, 37.3053, 6.7852 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, 18) }
```


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

```
.border{ border-color:rgb(0, 191, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7400, 37.3053, 6.7852 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, 18) }
```

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

```
.background{ background-color: rgb(0, 191,  
18) }
```

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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