

Converting Colors

XYZ(17.7702, 35.2529, 6.8099)

Have a look what the booklet for
XYZ(17.7702, 35.2529, 6.8099)
contains.

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Color

**XYZ(17.7344, 35.1880,
6.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA19
RGB	0, 186, 25
RGB Percent	0%, 73%, 10%
CMY	1.0000, 0.2706, 0.9019
CMYK	1.00, 0.00, 0.87, 0.27
HSL	128°, 100%, 36%
HSV	128°, 100%, 73%
XYZ	17.7344, 35.1880, 6.7770
YIQ	112.0320, -59.1750, -89.5030

Conversions

Conversions Part 2

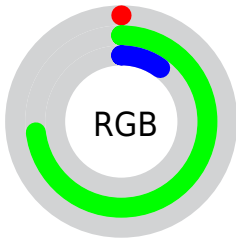
Format	Color
RYB	0, 164, 186
Decimal	47641
CIELab	65.89, -67.28, 61.94
CIELCh	66, 91.450, 137.368
Yxy	35.1880, 0.2971, 0.5894
Android (android.graphics.Color)	4278237721 (0xFF00BA19)
YUV	112.0320, -42.9068, -98.2521
Hunter-Lab	59.3195, -50.4440, 34.7500

Details

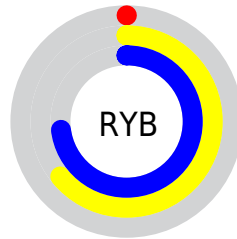
The XYZ color **17.7344, 35.1880, 6.7770** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.6832, 13.0126, 34.8217**, and the grayscale version is **15.5462, 16.3558, 17.8115**.

A 20% lighter version of the original color is **39.2166, 68.0421, 20.0833**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.7352, 35.1894, 6.7776**, and if you desaturate by 10%, it is **18.2226, 35.4146, 7.9832**.

Distribution



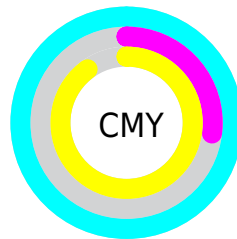
- Red (0%)
- Green (73%)
- Blue (10%)



- Red (0%)
- Yellow (64%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7344, 35.1880, 6.7770 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 17.7344, 35.1880, 6.7770 by changing the saturation by 10% instead.


 17.7344, 35.1880,
6.7770


 17.7344, 35.1880,
6.7770


232.4444,
325.3974, 175.3577


 10.8580, 23.8077,
3.2467


 39.1179, 67.7769,
20.0283


 6.0380, 15.1911,
1.2219


 54.3556, 89.7543,
30.5865

 2.9091, 8.9536,
0.0000


 73.1113, 116.0329,
44.3243

 1.1059, 4.7109,
0.0000

 95.7501, 146.9971,
61.6603

 0.0300, 2.0787,
0.0000

 122.6374,
183.0312, 83.0132

 0.0000, 0.6526,
0.0000

 154.1387,

 0.0000, 0.0000,

224.5197, 108.8013

0.0000

190.6192,
271.8470, 139.4433

■ 17.7344, 35.1880,
6.7770

■ 17.7344, 35.1880,
6.7770

■ 17.7352, 35.1894,
6.7776

■ 18.2226, 35.4146,
7.9832

■ 19.0736, 35.8138,
9.8058

■ 20.3924, 36.4395,
12.3159

■ 22.2353, 37.3193,
15.5728

■ 24.6503, 38.4770,
19.6295

■ 27.6801, 39.9335,
24.5342

■ 31.3633, 41.7078,
30.3312

■ 35.7352, 43.8172,
37.0617

■ 40.8287, 46.2777,
44.7644

Harmonies

Analogous

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



26.2702, 35.1880, 2.1333



17.7344, 35.1880, 6.7770



13.9523, 35.1880, 24.2310

Triad

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



17.7344, 35.1880, 6.7770



28.0767, 35.1880, 166.5382



64.8935, 35.1880, 20.1106

Complementary

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



17.7344, 35.1880, 6.7770



26.6832, 13.0126, 34.8217

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.



65.7624, 35.1880, 57.0080



17.7344, 35.1880, 6.7770



41.8203, 35.1880, 162.3326

Square

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



17.7344, 35.1880, 6.7770



18.7484, 35.1880, 123.3285



56.4462, 35.1880, 114.0847



54.3200, 35.1880, 5.4964

Rectangle

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



17.7344, 35.1880, 6.7770



13.7221, 35.1880, 48.6762



56.4462, 35.1880, 114.0847



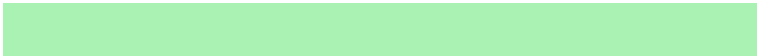
66.4151, 35.1880, 29.5374

Sweetspot

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



17.7352, 35.1895, 6.7778



56.4842, 75.4206, 54.4121



32.2986, 42.7174, 6.5431



11.7887, 16.2956, 10.9651



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.



17.7352, 35.1895, 6.7778



32.0951, 63.7606, 12.0229



20.8180, 36.4226, 23.0113



8.9382, 10.0793, 9.8320



11.9476, 23.6800, 4.6463



0.4371, 0.8411, 0.2476

Inverse Universe

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



26.6832, 13.0126, 34.8217



48.2968, 23.5587, 62.7657



21.3001, 10.8594, 6.4748



9.3276, 9.1414, 11.0725



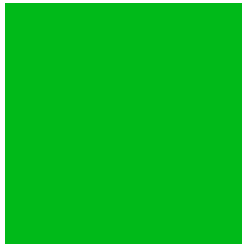
17.9710, 8.7622, 23.5318



0.6480, 0.3147, 0.9060

Previews

White Background



This preview shows how the XYZ color 17.7344, 35.1880, 6.7770 looks on a white background.

Color Contrast Check

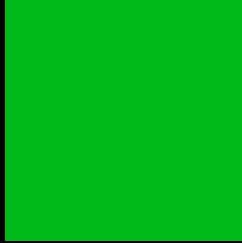
Large Text (above 18pt) WCAG AA × Fail

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 17.7344, 35.1880, 6.7770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

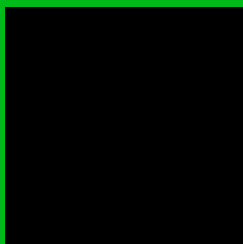
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7344, 35.1880, 6.7770

Background



This preview shows how black text looks on a background with the XYZ color 17.7344, 35.1880, 6.7770.



This preview shows how white text looks on a background with the XYZ color 17.7344, 35.1880,

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

17.7344, 35.1880, 6.7770

Protanopia

31.0821, 34.4174, 5.4952

Deuteranopia

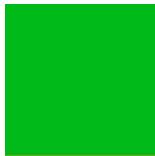
35.1329, 34.4806, 7.4930



Tritanopia

27.0551, 35.0947, 52.3617

Trichromacy



Original Color

17.7344, 35.1880, 6.7770



Protanomaly

21.2449, 32.0004, 5.6731



Deuteranomaly

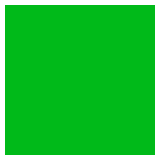
22.3941, 31.2094, 6.7632



Tritanomaly

21.1321, 34.0774, 25.8859

Monochromacy



Original Color

17.7344, 35.1880, 6.7770



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.2791, 20.3840, 10.8240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7344, 35.1880, 6.7770 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 25) }
```

Border

The CSS property to change the border of an element to XYZ 17.7344, 35.1880, 6.7770 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, 25) }
```


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

```
.border{ border-color:rgb(0, 186, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7344, 35.1880, 6.7770 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, 25) }
```

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

```
.background{ background-color: rgb(0, 186,  
25) }
```

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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