

Converting Colors

XYZ(18.0491, 35.9867, 6.3600)

Have a look what the booklet for
XYZ(18.0491, 35.9867, 6.3600)
contains.

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Color

**XYZ(18.0559, 35.9955,
6.3770)**

Conversions

Conversions Part 1

Format	Color
Hex	00BC0D
RGB	0, 188, 13
RGB Percent	0%, 74%, 5%
CMY	1.0000, 0.2627, 0.9489
CMYK	1.00, 0.00, 0.93, 0.26
HSL	124°, 100%, 37%
HSV	124°, 100%, 74%
XYZ	18.0559, 35.9955, 6.3770
YIQ	111.8380, -55.8730, -94.2810

Conversions

Conversions Part 2

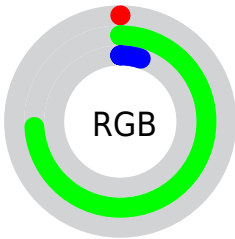
Format	Color
RYB	0, 176, 188
Decimal	48141
CIELab	66.52, -68.25, 64.60
CIELCh	67, 93.972, 136.572
Yxy	35.9955, 0.2988, 0.5957
Android (android.graphics.Color)	4278238221 (0xFF00BC0D)
YUV	111.8380, -48.7271, -98.0819
Hunter-Lab	59.9962, -51.2738, 35.6954

Details

The XYZ color **18.0559, 35.9955, 6.3770** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.4766, 13.7865, 41.7116**, and the grayscale version is **15.5052, 16.3127, 17.7645**.

A 20% lighter version of the original color is **39.7343, 69.2301, 19.2512**, and **8.3875, 16.7751, 2.7958** is the 20% darker color. If you saturate the color by 10%, you get **18.0567, 35.9970, 6.3777**, and if you desaturate by 10%, it is **18.4897, 36.2007, 7.2761**.

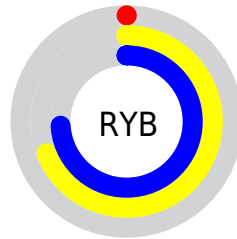
Distribution



Red (0%)

Green (74%)

Blue (5%)



Red (0%)

Yellow (69%)

Blue (74%)

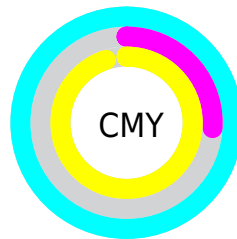


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (26%)



Cyan (100%)


Magenta (26%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0559, 35.9955, 6.3770 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 18.0559, 35.9955, 6.3770 by changing the saturation by 10% instead.


 18.0559, 35.9955,
6.3770


 18.0559, 35.9955,
6.3770


234.2254,
328.9409, 171.8113


 11.0901, 24.4307,
3.0032


 39.6619, 69.0251,
19.1995


 6.1952, 15.6534,
1.0963


 55.0328, 91.2587,
29.4853


 3.0059, 9.2793,
0.0000


 73.9360, 117.8175,
42.9122

 1.1569, 4.9238,
0.0000

 96.7370, 149.0856,
59.8986

 0.0719, 2.2026,
0.0000

 123.8011,
185.4477, 80.8632

 0.0000, 0.7214,
0.0000

 155.4936,

 0.0000, 0.0000,

227.2879, 106.2245

0.0000

192.1799,
274.9909, 136.4011

■ 18.0559, 35.9955,
6.3770

■ 18.0559, 35.9955,
6.3770

■ 18.0567, 35.9970,
6.3777

■ 18.4897, 36.2007,
7.2761

■ 19.3026, 36.5860,
8.8425

■ 20.6066, 37.2080,
11.1753

■ 22.4635, 38.0967,
14.3558

■ 24.9256, 39.2779,
18.4546

■ 28.0396, 40.7739,
23.5353

■ 31.8472, 42.6053,
29.6554

■ 36.3869, 44.7907,
36.8684

■ 41.6942, 47.3472,
45.2238

Harmonies

Analogous

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



27.0464, 35.9955, 1.9360



18.0559, 35.9955, 6.3770



14.0340, 35.9955, 23.7825

Triad

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



18.0559, 35.9955, 6.3770



28.2936, 35.9955, 173.6576



67.3414, 35.9955, 20.9532

Complementary

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



18.0559, 35.9955, 6.3770



28.4766, 13.7865, 41.7116

Split Complementary

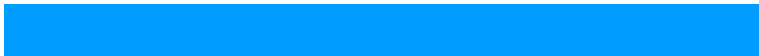
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.9480, 35.9955, 60.1365



18.0559, 35.9955, 6.3770



42.5445, 35.9955, 170.6999

Square

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



18.0559, 35.9955, 6.3770



18.7516, 35.9955, 126.9763



57.9270, 35.9955, 120.4940



56.4455, 35.9955, 5.5206

Rectangle

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



18.0559, 35.9955, 6.3770



13.7253, 35.9955, 48.7701



57.9270, 35.9955, 120.4940



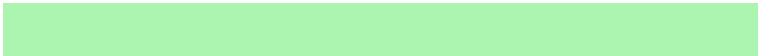
68.8417, 35.9955, 30.9597

Sweetspot

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



18.0567, 35.9970, 6.3778



57.3456, 77.0345, 53.1518



35.7688, 45.1363, 6.8271



11.6780, 16.2513, 10.3821



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.



18.0567, 35.9970, 6.3778



32.6927, 65.2242, 11.3946



20.6135, 37.0197, 19.8415



9.4349, 10.6601, 10.2735



12.3040, 24.5119, 4.3977



0.4912, 0.9639, 0.2210

Inverse Universe

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



28.4766, 13.7865, 41.7116



51.5696, 24.9698, 75.3933



22.2428, 11.2930, 8.8847



9.9007, 9.6846, 11.8660



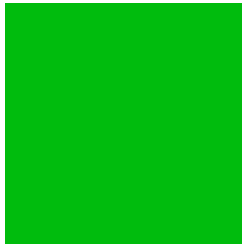
19.3989, 9.3907, 28.4577



0.7685, 0.3713, 1.1602

Previews

White Background



This preview shows how the XYZ color 18.0559, 35.9955, 6.3770 looks on a white background.

Color Contrast Check

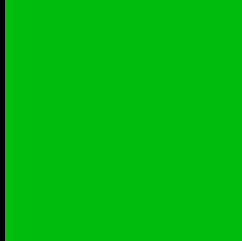
Large Text (above 18pt) WCAG AA × Fail

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 18.0559, 35.9955, 6.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

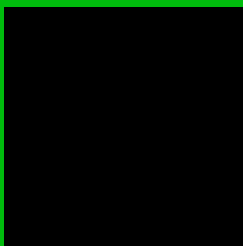
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

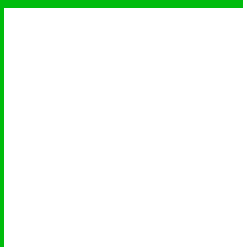
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0559, 35.9955, 6.3770

Background



This preview shows how black text looks on a background with the XYZ color 18.0559, 35.9955, 6.3770.



This preview shows how white text looks on a background with the XYZ color 18.0559, 35.9955,

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

18.0559, 35.9955, 6.3770

Deuteranopia

36.0033, 35.1802, 7.0834

Tritanopia

27.7397, 35.9963, 53.6301

Trichromacy



Original Color

18.0559, 35.9955, 6.3770



Deuteranomaly

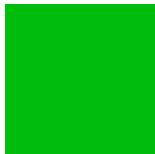
22.7557, 31.6763, 6.2111



Tritanomaly

21.3383, 34.8013, 24.9947

Monochromacy



Original Color

18.0559, 35.9955, 6.3770



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.2811, 20.6176, 10.1171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0559, 35.9955, 6.3770 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, 188, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 13)  
}
```

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, 188, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 13) }
```

Border

The CSS property to change the border of an element to XYZ 18.0559, 35.9955, 6.3770 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, 188, 13) }
```

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

```
.border{ border-color:rgb(0, 188, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 188, 13)  
}
```


Background

The CSS property to change the background color of an element to XYZ 18.0559, 35.9955, 6.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 13) }
```

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

```
.background{ background-color: rgb(0, 188,  
13) }
```

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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