

Converting Colors

XYZ(18.1051, 35.7248, 5.9413)

Have a look what the booklet for
XYZ(18.1051, 35.7248, 5.9413)
contains.

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Color

**XYZ(18.1012, 35.7112,
5.9389)**

Conversions

Conversions Part 1

Format	Color
Hex	16BB00
RGB	22, 187, 0
RGB Percent	9%, 73%, 0%
CMY	0.9137, 0.2667, 0.9999
CMYK	0.88, 0.00, 1.00, 0.27
HSL	113°, 100%, 37%
HSV	113°, 100%, 73%
XYZ	18.1012, 35.7112, 5.9389
YIQ	116.3470, -38.3130, -93.1370

Conversions

Conversions Part 2

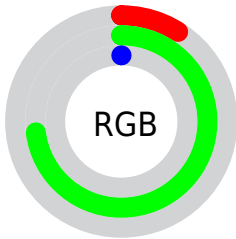
Format	Color
RYB	0, 187, 165
Decimal	1489664
CIELab	66.30, -67.07, 66.05
CIELCh	66, 94.128, 135.439
Yxy	35.7112, 0.3029, 0.5977
Android (android.graphics.Color)	4279679744 (0xFF16BB00)
YUV	116.3470, -57.3591, -82.7423
Hunter-Lab	59.7588, -50.5096, 35.9389

Details

The XYZ color **18.1012, 35.7112, 5.9389** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **24.4917, 11.5900, 47.9618**, and the grayscale version is **16.8879, 17.7674, 19.3487**.

A 20% lighter version of the original color is **39.8533, 68.8581, 18.3982**, and **8.2513, 16.5025, 2.7504** is the 20% darker color. If you saturate the color by 10%, you get **18.1016, 35.7125, 5.9391**, and if you desaturate by 10%, it is **18.7042, 36.0098, 6.5684**.

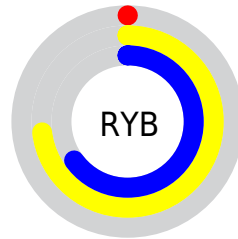
Distribution



Red (9%)

Green (73%)

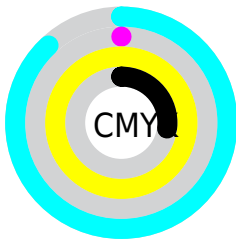
Blue (0%)



Red (0%)

Yellow (73%)

Blue (65%)

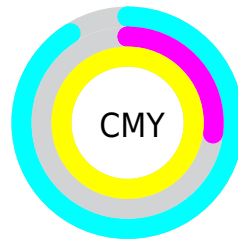


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (91%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1012, 35.7112, 5.9389 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 18.1012, 35.7112, 5.9389 by changing the saturation by 10% instead.

■ 18.1012, 35.7112,
5.9389

■ 18.1012, 35.7112,
5.9389

234.4754,
327.6965, 167.8117

■ 11.1228, 24.2112,
2.7398

■ 39.7384, 68.5861,
18.2794

■ 6.2174, 15.4904,
0.9634

■ 55.1280, 90.7298,
28.2579

■ 3.0196, 9.1643,
0.0000

■ 74.0519, 117.1902,
41.3332

■ 1.1642, 4.8485,
0.0000

■ 96.8756, 148.3517,
57.9240

■ 0.0778, 2.1586,
0.0000

■ 123.9645,
184.5987, 78.4486

■ 0.0000, 0.6973,
0.0000

■ 155.6838,

■ 0.0000, 0.0000,

226.3155, 103.3258

0.0000

192.3990,
273.8867, 132.9740

■ 18.1012, 35.7112,
5.9389

■ 18.1012, 35.7112,
5.9389

■ 18.1016, 35.7125,
5.9391

■ 18.7042, 36.0098,
6.5684

■ 19.6874, 36.4906,
7.7908

■ 21.1236, 37.1876,
9.8213

■ 23.0602, 38.1227,
12.7674

■ 25.5383, 39.3153,
16.7198

■ 28.5948, 40.7827,
21.7585

■ 32.2634, 42.5405,
27.9554

■ 36.5751, 44.6035,
35.3762

■ 41.5587, 46.9851,
44.0818

Harmonies

Analogous

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



27.2455, 35.7112, 1.8228



18.1012, 35.7112, 5.9389



13.9322, 35.7112, 22.4933

Triad

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



18.1012, 35.7112, 5.9389



27.5927, 35.7112, 172.1594



67.2162, 35.7112, 21.7069

Complementary

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



18.1012, 35.7112, 5.9389



24.4917, 11.5900, 47.9618

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.



67.3854, 35.7112, 61.7624



18.1012, 35.7112, 5.9389



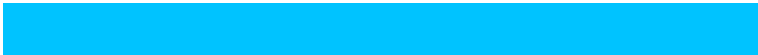
41.6556, 35.7112, 171.3326

Square

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



18.1012, 35.7112, 5.9389



18.2946, 35.7112, 124.1839



57.0631, 35.7112, 122.3731



56.6499, 35.7112, 5.7024

Rectangle

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



18.1012, 35.7112, 5.9389



13.5241, 35.7112, 46.6894



57.0631, 35.7112, 122.3731



68.5709, 35.7112, 31.9999

Sweetspot

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



18.1020, 35.7127, 5.9397



57.4295, 76.0184, 49.4659



33.4275, 36.4313, 5.2707



12.0090, 16.4350, 9.8104



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.



18.1020, 35.7127, 5.9397



32.3187, 63.9069, 10.6319



18.8324, 35.9667, 11.5118



9.5102, 10.7019, 10.1411



12.5045, 24.6222, 4.0935



0.5246, 0.9824, 0.1620

Inverse Universe

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



24.4917, 11.5900, 47.9618



43.7294, 20.6876, 85.8897



23.7909, 11.8842, 18.3176



9.8166, 9.6378, 12.0151



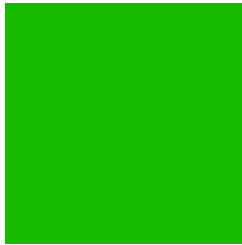
16.9136, 8.0054, 33.0466



0.6941, 0.3299, 1.2959

Previews

White Background



This preview shows how the XYZ color 18.1012, 35.7112, 5.9389 looks on a white background.

Color Contrast Check

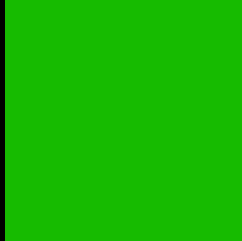
Large Text (above 18pt) WCAG AA × Fail

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 18.1012, 35.7112, 5.9389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

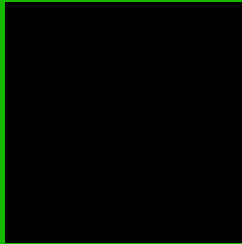
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.1012, 35.7112, 5.9389

Background



This preview shows how black text looks on a background with the XYZ color 18.1012, 35.7112, 5.9389.



This preview shows how white text looks on a background with the XYZ color 18.1012, 35.7112,

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

18.1012, 35.7112, 5.9389

Protanopia

31.3932, 34.8449, 5.0711

Deuteranopia

35.6986, 35.0272, 6.8869



Tritanopia

27.6065, 35.6523, 53.0035

Trichromacy



Original Color

18.1012, 35.7112, 5.9389



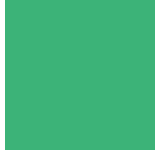
Protanomaly

22.5431, 32.9604, 5.1738



Deuteranomaly

23.7839, 32.2147, 5.8842



Tritanomaly

21.3737, 34.5569, 23.3129

Monochromacy



Original Color

18.1012, 35.7112, 5.9389



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.3887, 21.6343, 9.8960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1012, 35.7112, 5.9389 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(22, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(22, 187, 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(22, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 187, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.1012, 35.7112, 5.9389 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(22, 187, 0) }
```


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

```
.border{ border-color:rgb(22, 187, 0) }
```

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

Here you see how a box with a 4 pixel rgb(22, 187, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(22, 187, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1012, 35.7112, 5.9389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 187, 0) }
```

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

```
.background{ background-color: rgb(22, 187,  
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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