

Converting Colors

XYZ(18.3639, 35.5816, 5.9007)

Have a look what the booklet for
XYZ(18.3639, 35.5816, 5.9007)
contains.

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Color

**XYZ(18.3219, 35.5111,
5.8887)**

Conversions

Conversions Part 1

Format	Color
Hex	25BA00
RGB	37, 186, 0
RGB Percent	15%, 73%, 0%
CMY	0.8549, 0.2706, 0.9999
CMYK	0.80, 0.00, 1.00, 0.27
HSL	108°, 100%, 36%
HSV	108°, 100%, 73%
XYZ	18.3219, 35.5111, 5.8887
YIQ	120.2450, -29.0980, -89.4340

Conversions

Conversions Part 2

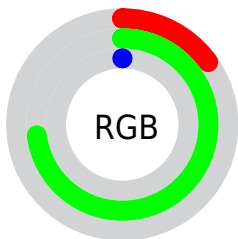
Format	Color
RYB	0, 186, 149
Decimal	2472448
CIELab	66.14, -65.24, 65.99
CIELCh	66, 92.798, 134.670
Yxy	35.5111, 0.3068, 0.5946
Android (android.graphics.Color)	4280662528 (0xFF25BA00)
YUV	120.2450, -59.2808, -73.0059
Hunter-Lab	59.5912, -49.4030, 35.8549

Details

The XYZ color **18.3219, 35.5111, 5.8887** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **21.2619, 9.9374, 47.2537**, and the grayscale version is **18.1236, 19.0674, 20.7644**.

A 20% lighter version of the original color is **39.9457, 68.0165, 18.0443**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **18.3220, 35.5122, 5.8889**, and if you desaturate by 10%, it is **19.0851, 35.8924, 6.5213**.

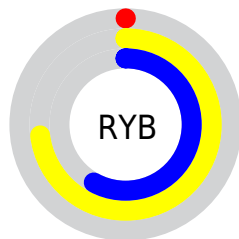
Distribution



Red (15%)

Green (73%)

Blue (0%)



Red (0%)

Yellow (73%)

Blue (58%)

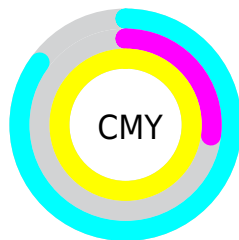


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (85%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3219, 35.5111, 5.8887 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 18.3219, 35.5111, 5.8887 by changing the saturation by 10% instead.

■ 18.3219, 35.5111,
5.8887

■ 18.3219, 35.5111,
5.8887

235.6899,
326.8186, 167.3451

■ 11.2824, 24.0568,
2.7098

■ 40.1109, 68.2768,
18.1731

■ 6.3258, 15.3758,
0.9484

■ 55.5911, 90.3570,
28.1157

■ 3.0867, 9.0836,
0.0000

■ 74.6156, 116.7480,
41.1500

■ 1.1998, 4.7957,
0.0000

■ 97.5497, 147.8342,
57.6945

■ 0.1062, 2.1279,
0.0000

■ 124.7589,
184.0000, 78.1677

■ 0.0000, 0.6803,
0.0000

■ 156.6084,

■ 0.0000, 0.0000,

225.6297, 102.9882

0.0000

193.4636,
273.1078, 132.5745

■ 18.3219, 35.5111,
5.8887

■ 18.3219, 35.5111,
5.8887

■ 18.3220, 35.5122,
5.8889

■ 19.0851, 35.8924,
6.5213

■ 20.1984, 36.4406,
7.7377

■ 21.7233, 37.1837,
9.7508

■ 23.6981, 38.1393,
12.6659

■ 26.1564, 39.3226,
16.5725

■ 29.1284, 40.7477,
21.5491

■ 32.6419, 42.4272,
27.6664

■ 36.7225, 44.3730,
34.9891

■ 41.3941, 46.5961,
43.5770

Harmonies

Analogous

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



27.4677, 35.5111, 1.8979



18.3219, 35.5111, 5.8887



14.0825, 35.5111, 21.8516

Triad

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



18.3219, 35.5111, 5.8887



27.2110, 35.5111, 168.0378



66.4845, 35.5111, 22.4351

Complementary

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



18.3219, 35.5111, 5.8887



21.2619, 9.9374, 47.2537

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.



66.3601, 35.5111, 62.4411



18.3219, 35.5111, 5.8887



40.9289, 35.5111, 168.6424

Square

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



18.3219, 35.5111, 5.8887



18.1783, 35.5111, 120.4883



56.0577, 35.5111, 121.8148



56.3616, 35.5111, 6.0671

Rectangle

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



18.3219, 35.5111, 5.8887



13.6099, 35.5111, 45.1891



56.0577, 35.5111, 121.8148



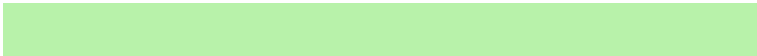
67.7129, 35.5111, 32.8021

Sweetspot

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



18.3227, 35.5126, 5.8895



58.8155, 76.7330, 49.5308



30.9675, 31.8733, 4.5206



12.3356, 16.6033, 9.8257



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.



18.3227, 35.5126, 5.8895



33.0535, 64.2857, 10.6663



18.2692, 35.4030, 9.5883



9.0527, 10.1438, 9.5877



12.3761, 23.9164, 3.9640



0.4863, 0.8689, 0.1421

Inverse Universe

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



21.2619, 9.9374, 47.2537



38.3334, 17.9058, 85.6372



24.2940, 12.0573, 22.2394



9.2013, 9.0701, 11.3452



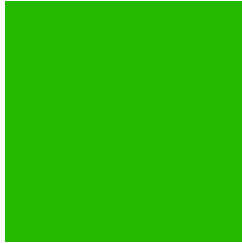
14.3648, 6.7165, 31.7924



0.5516, 0.2601, 1.1229

Previews

White Background



This preview shows how the XYZ color 18.3219, 35.5111, 5.8887 looks on a white background.

Color Contrast Check

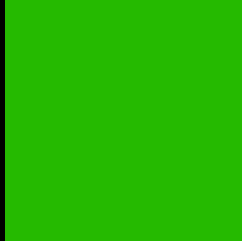
Large Text (above 18pt) WCAG AA × Fail

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 18.3219, 35.5111, 5.8887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

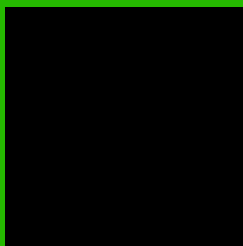
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.3219, 35.5111, 5.8887

Background



This preview shows how black text looks on a background with the XYZ color 18.3219, 35.5111, 5.8887.



This preview shows how white text looks on a background with the XYZ color 18.3219, 35.5111,

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

18.3219, 35.5111, 5.8887

Protanopia

31.3932, 34.8449, 5.0711

Deuteranopia

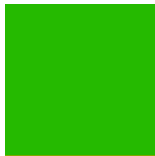
35.2690, 34.5658, 6.8205



Tritanopia

27.6595, 35.4063, 52.3900

Trichromacy



Original Color

18.3219, 35.5111, 5.8887



Protanomaly

23.0901, 32.9651, 5.1459



Deuteranomaly

24.4354, 32.2838, 5.8632



Tritanomaly

21.6341, 34.4016, 22.9527

Monochromacy



Original Color

18.3219, 35.5111, 5.8887



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.4942, 22.6420, 10.3912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3219, 35.5111, 5.8887 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(37, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(37, 186, 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(37, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3219, 35.5111, 5.8887 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(37, 186, 0) }
```


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

```
.border{ border-color:rgb(37, 186, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(37, 186, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3219, 35.5111, 5.8887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 186, 0) }
```

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

```
.background{ background-color: rgb(37, 186,  
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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