

Converting Colors

XYZ(19.3485, 33.0169, 5.6174)

Have a look what the booklet for
XYZ(19.3485, 33.0169, 5.6174)
contains.

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Color

**XYZ(19.3210, 33.0017,
5.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	55B009
RGB	85, 176, 9
RGB Percent	33%, 69%, 4%
CMY	0.6667, 0.3098, 0.9646
CMYK	0.52, 0.00, 0.95, 0.31
HSL	93°, 90%, 36%
HSV	93°, 95%, 69%
XYZ	19.3210, 33.0017, 5.6101
YIQ	129.7530, -0.6290, -71.2290

Conversions

Conversions Part 2

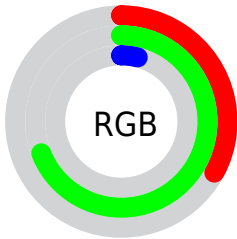
Format	Color
RYB	9, 176, 100
Decimal	5615625
CIELab	64.16, -51.54, 63.79
CIELCh	64, 82.006, 128.935
Yxy	33.0017, 0.3335, 0.5697
Android (android.graphics.Color)	4283805705 (0xFF55B009)
YUV	129.7530, -59.5312, -39.2484
Hunter-Lab	57.4471, -40.4981, 34.4229

Details

The XYZ color **19.3210, 33.0017, 5.6101** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.1925, 6.0410, 41.5468**, and the grayscale version is **21.3361, 22.4473, 24.4451**.

A 20% lighter version of the original color is **41.7695, 64.2070, 17.5889**, and **7.0597, 13.9707, 2.3245** is the 20% darker color. If you saturate the color by 10%, you get **18.8415, 32.7613, 5.3305**, and if you desaturate by 10%, it is **20.3965, 33.5405, 6.4128**.

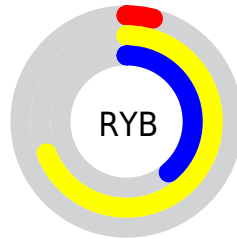
Distribution



Red (33%)

Green (69%)

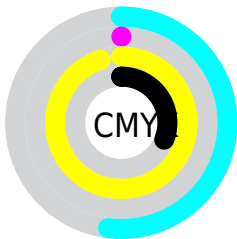
Blue (4%)



Red (4%)

Yellow (69%)

Blue (39%)

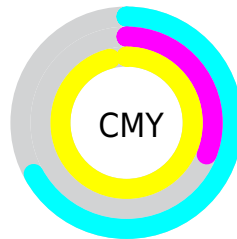


Cyan (52%)

Magenta (0%)

Yellow (95%)

Black (31%)



Cyan (67%)


Magenta (31%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3210, 33.0017, 5.6101 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 19.3210, 33.0017, 5.6101 by changing the saturation by 10% instead.


 19.3210, 33.0017,
5.6101

 19.3210, 33.0017,
5.6101


241.1194,
315.6574, 164.7225


 12.0078, 22.1277,
2.5446


 41.7885, 64.3782,
17.5796

 6.8213, 13.9508,
0.8636


 57.6736, 85.6495,
27.3206


 3.3959, 8.0865,
0.0000


 77.1466, 111.1554,
40.1238

 1.3664, 4.1503,
0.0000

 100.5730,
141.2803, 56.4078

 0.2321, 1.7580,
0.0000

 128.3182,
176.4085, 76.5912

 0.0000, 0.4608,
0.0000

 160.7474,

 0.0000, 0.0000,

216.9245, 101.0924

0.0000

198.2260,
263.2127, 130.3300

■ 19.3210, 33.0017,
5.6101

■ 19.3210, 33.0017,
5.6101

■ 18.8415, 32.7613,
5.3305

■ 20.3965, 33.5405,
6.4128

■ 21.7150, 34.1896,
7.8592

■ 23.3008, 34.9602,
10.0513

■ 25.1736, 35.8608,
13.0724

■ 27.3510, 36.8987,
16.9946

■ 29.8488, 38.0807,
21.8823

■ 32.6816, 39.4132,
27.7938

■ 35.8630, 40.9019,
34.7831

■ 39.4058, 42.5523,
42.9000

Harmonies

Analogous

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



28.0246, 33.0017, 2.5471



19.3210, 33.0017, 5.6101



14.8009, 33.0017, 17.4981

Triad

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



19.3210, 33.0017, 5.6101



24.0052, 33.0017, 134.7694



59.0068, 33.0017, 26.8861

Complementary

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



19.3210, 33.0017, 5.6101



13.1925, 6.0410, 41.5468

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.



57.1650, 33.0017, 64.1738



19.3210, 33.0017, 5.6101



34.9654, 33.0017, 143.3910

Square

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



19.3210, 33.0017, 5.6101



17.0045, 33.0017, 92.9813



47.6001, 33.0017, 112.1821



52.1441, 33.0017, 8.8623

Rectangle

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



19.3210, 33.0017, 5.6101



13.9169, 33.0017, 34.7579



47.6001, 33.0017, 112.1821



59.4149, 33.0017, 37.1348

Sweetspot

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



19.3218, 33.0031, 5.6108



57.3428, 70.5740, 46.3118



22.3296, 18.0000, 2.5564



11.9613, 15.0753, 9.0687



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.3218, 33.0031, 5.6108



33.9166, 59.2845, 9.6555



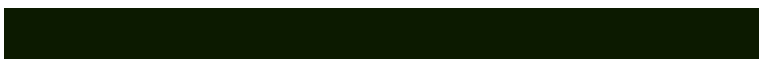
15.7222, 31.1436, 5.6192



8.7440, 9.6731, 9.0588



13.8896, 24.0704, 3.9140



0.5045, 0.7922, 0.1263

Inverse Universe

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



13.1925, 6.0410, 41.5468



22.6807, 10.0505, 75.2398



25.3003, 12.3451, 39.2968



8.4697, 8.4507, 10.6911



9.3508, 4.1563, 30.4464



0.3604, 0.1649, 0.9611

Previews

White Background



This preview shows how the XYZ color 19.3210, 33.0017, 5.6101 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 19.3210, 33.0017, 5.6101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

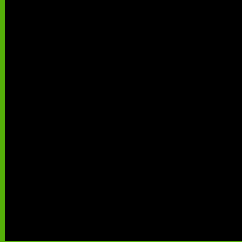
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.3210, 33.0017, 5.6101

Background



This preview shows how black text looks on a background with the XYZ color 19.3210, 33.0017, 5.6101.



This preview shows how white text looks on a background with the XYZ color 19.3210, 33.0017,

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

19.3210, 33.0017, 5.6101

Protanopia

29.1769, 32.4414, 4.7240

Deuteranopia

33.0158, 32.4703, 6.2775



Tritanopia

27.5179, 32.9765, 46.5097

Trichromacy



Original Color

19.3210, 33.0017, 5.6101

Protanomaly

24.2690, 31.9517, 4.9743

Deuteranomaly

25.7511, 31.4029, 5.7410

Tritanomaly

22.4105, 31.9755, 21.5137

Monochromacy



Original Color

19.3210, 33.0017, 5.6101

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.0529, 25.1167, 12.6479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3210, 33.0017, 5.6101 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(85, 176, 9)` looks like.

```
.text, #text, p{  
    color:rgb(85, 176, 9)  
}
```

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(85, 176, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 176, 9) }
```

Border

The CSS property to change the border of an element to XYZ 19.3210, 33.0017, 5.6101 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(85, 176, 9) }
```


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

```
.border{ border-color:rgb(85, 176, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 176, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 176, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 176, 9);  
box-shadow:4px 4px 4px 4px rgb(85, 176, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3210, 33.0017, 5.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 176, 9) }
```

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

```
.background{ background-color: rgb(85, 176,  
9) }
```

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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