

Converting Colors

XYZ(18.0552, 33.1717, 6.3172)

Have a look what the booklet for
XYZ(18.0552, 33.1717, 6.3172)
contains.

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Color

**XYZ(18.0886, 33.2360,
6.3260)**

Conversions

Conversions Part 1

Format	Color
Hex	3BB318
RGB	59, 179, 24
RGB Percent	23%, 70%, 9%
CMY	0.7686, 0.2980, 0.9058
CMYK	0.67, 0.00, 0.87, 0.30
HSL	106°, 76%, 40%
HSV	106°, 87%, 70%
XYZ	18.0886, 33.2360, 6.3260
YIQ	125.4500, -21.7650, -73.6450

Conversions

Conversions Part 2

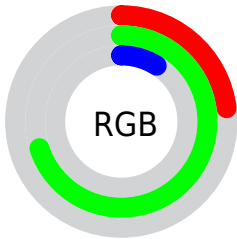
Format	Color
RYB	24, 179, 144
Decimal	3912472
CIELab	64.35, -58.74, 61.08
CIELCh	64, 84.739, 133.884
Yxy	33.2360, 0.3138, 0.5765
Android (android.graphics.Color)	4282102552 (0xFF3BB318)
YUV	125.4500, -50.0149, -58.2767
Hunter-Lab	57.6507, -44.8821, 33.8496

Details

The XYZ color **18.0886, 33.2360, 6.3260** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **19.9680, 9.8391, 43.4964**, and the grayscale version is **19.8149, 20.8469, 22.7022**.

A 20% lighter version of the original color is **39.8035, 64.8577, 19.0153**, and **7.3336, 14.6672, 2.4445** is the 20% darker color. If you saturate the color by 10%, you get **17.2426, 32.8161, 5.6008**, and if you desaturate by 10%, it is **19.2741, 33.8191, 7.6940**.

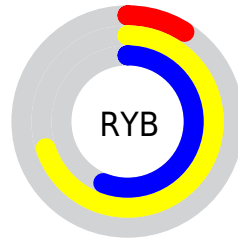
Distribution



Red (23%)

Green (70%)

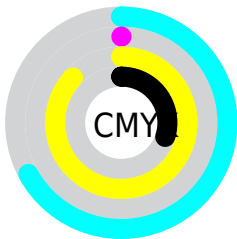
Blue (9%)



Red (9%)

Yellow (70%)

Blue (56%)

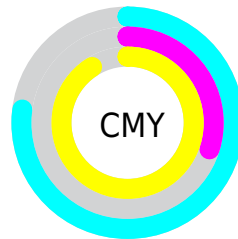


Cyan (67%)

Magenta (0%)

Yellow (87%)

Black (30%)



Cyan (77%)

Magenta (30%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0886, 33.2360, 6.3260 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 18.0886, 33.2360, 6.3260 by changing the saturation by 10% instead.

■ 18.0886, 33.2360,
6.3260

■ 18.0886, 33.2360,
6.3260

234.4059,
316.7118, 171.3522

■ 11.1137, 22.3073,
2.9723

■ 39.7171, 64.7438,
19.0931

■ 6.2112, 14.0829,
1.0805

■ 55.1015, 86.0917,
29.3436

■ 3.0158, 8.1783,
0.0000

■ 74.0197, 111.6815,
42.7302

■ 1.1621, 4.2093,
0.0000

■ 96.8371, 141.8975,
59.6713

■ 0.0762, 1.7913,
0.0000

■ 123.9190,
177.1241, 80.5855

■ 0.0000, 0.4817,
0.0000

■ 155.6309,

■ 0.0000, 0.0000,

217.7458, 105.8913

0.0000

192.3381,
264.1469, 136.0074

■ 18.0886, 33.2360,
6.3260

■ 18.0886, 33.2360,
6.3260

■ 17.2426, 32.8161,
5.6008

■ 19.2741, 33.8191,
7.6940

■ 17.0119, 32.7010,
5.4153

■ 20.8356, 34.5786,
9.8249

■ 22.8052, 35.5299,
12.8095

■ 25.2107, 36.6858,
16.7250

■ 28.0771, 38.0576,
21.6403

■ 31.4276, 39.6561,
27.6174

■ 35.2838, 41.4910,
34.7136

■ 39.6660, 43.5716,
42.9819

■ 44.5932, 45.9067,
52.4721

Harmonies

Analogous

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



26.3463, 33.2360, 2.4254



18.0886, 33.2360, 6.3260



14.1398, 33.2360, 20.7075

Triad

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



18.0886, 33.2360, 6.3260



25.5806, 33.2360, 144.8163



59.8692, 33.2360, 22.4785

Complementary

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



18.0886, 33.2360, 6.3260



19.9680, 9.8391, 43.4964

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.



59.5118, 33.2360, 57.9290



18.0886, 33.2360, 6.3260



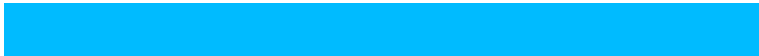
37.4866, 33.2360, 146.5110

Square

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



18.0886, 33.2360, 6.3260



17.6516, 33.2360, 104.4973



50.5431, 33.2360, 108.2517



51.4222, 33.2360, 6.9155

Rectangle

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



18.0886, 33.2360, 6.3260



13.6436, 33.2360, 40.8749



50.5431, 33.2360, 108.2517



60.8302, 33.2360, 31.8744

Sweetspot

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



18.0894, 33.2374, 6.3267



56.3789, 71.0653, 49.6329



28.5544, 29.2465, 5.0049



12.0130, 15.5168, 10.1341



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.0894, 33.2374, 6.3267



30.3067, 58.4817, 9.6908



17.4618, 32.8216, 10.4679



8.5625, 9.5796, 9.0503



12.0688, 23.1318, 3.8288



0.4305, 0.7540, 0.1228

Inverse Universe

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



19.9680, 9.8391, 43.4964



33.3172, 15.4922, 77.6155



23.4818, 12.0633, 25.0112



8.6587, 8.5481, 10.6999



13.2837, 6.1838, 30.6305



0.4642, 0.2184, 0.9659

Previews

White Background



This preview shows how the XYZ color 18.0886, 33.2360, 6.3260 looks on a white background.

Color Contrast Check

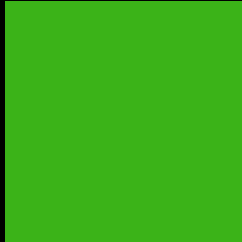
Large Text (above 18pt) WCAG AA × Fail

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 18.0886, 33.2360, 6.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

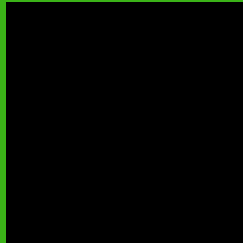
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.0886, 33.2360, 6.3260

Background



This preview shows how black text looks on a background with the XYZ color 18.0886, 33.2360, 6.3260.



This preview shows how white text looks on a background with the XYZ color 18.0886, 33.2360,

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

18.0886, 33.2360, 6.3260

Protanopia

29.4941, 32.5941, 5.2270

Deuteranopia

33.1365, 32.5186, 6.9131



Tritanopia

26.4706, 33.2080, 48.1947

Trichromacy



Original Color

18.0886, 33.2360, 6.3260



Protanomaly

23.0659, 31.5845, 5.4968



Deuteranomaly

24.4091, 30.9496, 6.4376



Tritanomaly

21.4463, 32.2614, 23.8356

Monochromacy



Original Color

18.0886, 33.2360, 6.3260



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.2537, 23.7221, 12.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0886, 33.2360, 6.3260 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(59, 179, 24)` looks like.

```
.text, #text, p{  
    color:rgb(59, 179, 24)  
}
```

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(59, 179, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 179, 24) }
```

Border

The CSS property to change the border of an element to XYZ 18.0886, 33.2360, 6.3260 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(59, 179, 24) }
```


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

```
.border{ border-color:rgb(59, 179, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 179, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 179, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 179, 24);  
box-shadow:4px 4px 4px 4px rgb(59, 179,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0886, 33.2360, 6.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 179, 24) }
```

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

```
.background{ background-color: rgb(59, 179,  
24) }
```

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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