

Converting Colors

XYZ(18.5588, 33.1685, 6.2275)

Have a look what the booklet for
XYZ(18.5588, 33.1685, 6.2275)
contains.

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Color

**XYZ(18.6008, 33.2047,
6.2394)**

Conversions

Conversions Part 1

Format	Color
Hex	46B217
RGB	70, 178, 23
RGB Percent	27%, 70%, 9%
CMY	0.7255, 0.3019, 0.9098
CMYK	0.61, 0.00, 0.87, 0.30
HSL	102°, 77%, 39%
HSV	102°, 87%, 70%
XYZ	18.6008, 33.2047, 6.2394
YIQ	128.0380, -14.6130, -71.1010

Conversions

Conversions Part 2

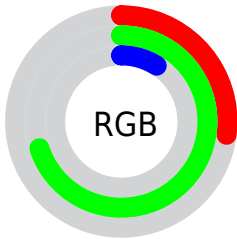
Format	Color
RYB	23, 178, 131
Decimal	4633111
CIELab	64.33, -55.94, 61.39
CIElCh	64, 83.054, 132.343
Yxy	33.2047, 0.3205, 0.5721
Android (android.graphics.Color)	4282823191 (0xFF46B217)
YUV	128.0380, -51.7837, -50.8993
Hunter-Lab	57.6235, -43.2216, 33.9166

Details

The XYZ color **18.6008, 33.2047, 6.2394** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **17.7050, 8.6540, 42.8585**, and the grayscale version is **20.7098, 21.7883, 23.7274**.

A 20% lighter version of the original color is **40.7081, 64.8978, 18.9753**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **17.6711, 32.7410, 5.5379**, and if you desaturate by 10%, it is **19.8328, 33.8129, 7.5617**.

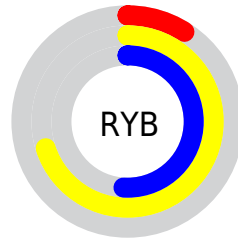
Distribution



Red (27%)

Green (70%)

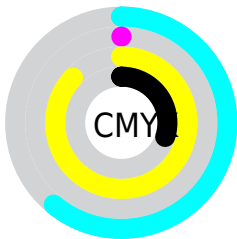
Blue (9%)



Red (9%)

Yellow (70%)

Blue (51%)

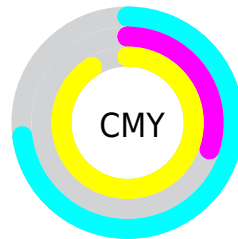


Cyan (61%)

Magenta (0%)

Yellow (87%)

Black (30%)



Cyan (73%)

Magenta (30%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6008, 33.2047, 6.2394 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 18.6008, 33.2047, 6.2394 by changing the saturation by 10% instead.

■ 18.6008, 33.2047,
6.2394

■ 18.6008, 33.2047,
6.2394

237.2166,
316.5711, 170.5687

■ 11.4845, 22.2833,
2.9201

■ 40.5806, 64.6950,
18.9120

■ 6.4634, 14.0652,
1.0540

■ 56.1747, 86.0327,
29.1023

■ 3.1722, 8.1660,
0.0000

■ 75.3255, 111.6112,
42.4200

■ 1.2454, 4.2014,
0.0000

■ 98.3983, 141.8151,
59.2837

■ 0.1418, 1.7868,
0.0000

■ 125.7584,
177.0286, 80.1119

■ 0.0000, 0.4789,
0.0000

■ 157.7713,

■ 0.0000, 0.0000,

217.6362, 105.3231

0.0000

194.8023,
264.0222, 135.3358

■ 18.6008, 33.2047,
6.2394

■ 18.6008, 33.2047,
6.2394

■ 17.6711, 32.7410,
5.5379

■ 19.8328, 33.8129,
7.5617

■ 17.4405, 32.6255,
5.3781

■ 21.3997, 34.5764,
9.6309

■ 23.3287, 35.5085,
12.5369

■ 25.6433, 36.6196,
16.3562

■ 28.3649, 37.9193,
21.1567

■ 31.5132, 39.4162,
27.0001

■ 35.1064, 41.1186,
33.9426

■ 39.1617, 43.0342,
42.0368

■ 43.6954, 45.1704,
51.3317

Harmonies

Analogous

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



26.9498, 33.2047, 2.5685



18.6008, 33.2047, 6.2394



14.4882, 33.2047, 19.7963

Triad

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



18.6008, 33.2047, 6.2394



25.1603, 33.2047, 140.2994



59.3520, 33.2047, 23.9562

Complementary

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



18.6008, 33.2047, 6.2394



17.7050, 8.6540, 42.8585

Split Complementary

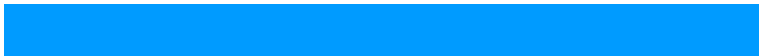
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.5255, 33.2047, 59.6896



18.6008, 33.2047, 6.2394



36.6683, 33.2047, 144.1889

Square

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



18.6008, 33.2047, 6.2394



17.5737, 33.2047, 100.0464



49.4628, 33.2047, 108.6884



51.4990, 33.2047, 7.6566

Rectangle

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



18.6008, 33.2047, 6.2394



13.8718, 33.2047, 38.8793



49.4628, 33.2047, 108.6884



60.1262, 33.2047, 33.5597

Sweetspot

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



18.6016, 33.2061, 6.2401



57.5272, 71.6573, 49.6866



26.3556, 25.2073, 4.2875



12.2889, 15.6591, 10.1470



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.



18.6016, 33.2061, 6.2401



31.4219, 59.0566, 9.7430



16.8816, 32.2672, 8.5198



8.6232, 9.6108, 9.0531



12.5354, 23.3723, 3.8506



0.4552, 0.7667, 0.1240

Inverse Universe

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



17.7050, 8.6540, 42.8585



29.4118, 13.4789, 77.4327



24.1393, 12.2673, 29.7760



8.5943, 8.5149, 10.6969



11.7669, 5.4019, 30.5595



0.4261, 0.1987, 0.9641

Previews

White Background



This preview shows how the XYZ color 18.6008, 33.2047, 6.2394 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 18.6008, 33.2047, 6.2394 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 18.6008, 33.2047, 6.2394

Background



This preview shows how black text looks on a background with the XYZ color 18.6008, 33.2047, 6.2394.



This preview shows how white text looks on a background with the XYZ color 18.6008, 33.2047,

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

18.6008, 33.2047, 6.2394

Protanopia

29.4868, 32.5911, 5.1885

Deuteranopia

33.1179, 32.5112, 6.8153



Tritanopia

26.9185, 33.1798, 47.6334

Trichromacy



Original Color

18.6008, 33.2047, 6.2394

Protanomaly

23.5229, 31.5564, 5.4235

Deuteranomaly

24.9397, 30.9707, 6.3325

Tritanomaly

21.9121, 32.2293, 23.4783

Monochromacy



Original Color

18.6008, 33.2047, 6.2394

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.1878, 24.4218, 13.4281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6008, 33.2047, 6.2394 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(70, 178, 23)` looks like.

```
.text, #text, p{  
    color:rgb(70, 178, 23)  
}
```

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(70, 178, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 178, 23) }
```

Border

The CSS property to change the border of an element to XYZ 18.6008, 33.2047, 6.2394 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(70, 178, 23) }
```


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

```
.border{ border-color:rgb(70, 178, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 178, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 178, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 178, 23);  
box-shadow:4px 4px 4px 4px rgb(70, 178,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6008, 33.2047, 6.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 178, 23) }
```

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

```
.background{ background-color: rgb(70, 178,  
23) }
```

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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