

Converting Colors

XYZ(18.5266, 33.2269, 10.2200)

Have a look what the booklet for
XYZ(18.5266, 33.2269, 10.2200)
contains.

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Color

**XYZ(18.6211, 33.4226,
10.3203)**

Conversions

Conversions Part 1

Format	Color
Hex	37B340
RGB	55, 179, 64
RGB Percent	22%, 70%, 25%
CMY	0.7843, 0.2980, 0.7490
CMYK	0.69, 0.00, 0.64, 0.30
HSL	124°, 53%, 46%
HSV	124°, 69%, 70%
XYZ	18.6211, 33.4226, 10.3203
YIQ	128.8140, -36.9890, -62.0530

Conversions

Conversions Part 2

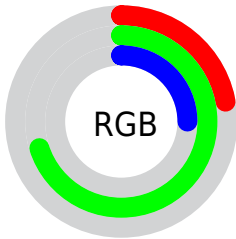
Format	Color
RYB	55, 171, 179
Decimal	3650368
CIELab	64.50, -56.59, 47.61
CIELCh	65, 73.954, 139.929
Yxy	33.4226, 0.2986, 0.5359
Android (android.graphics.Color)	4281840448 (0xFF37B340)
YUV	128.8140, -31.9533, -64.7349
Hunter-Lab	57.8123, -43.6774, 29.8845

Details

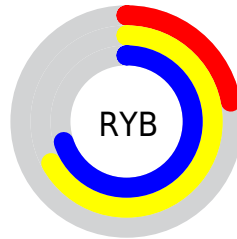
The XYZ color **18.6211, 33.4226, 10.3203** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **27.2132, 15.2189, 39.5339**, and the grayscale version is **20.9195, 22.0089, 23.9677**.

A 20% lighter version of the original color is **40.6191, 65.1034, 26.9484**, and **7.3501, 14.6738, 2.5311** is the 20% darker color. If you saturate the color by 10%, you get **17.4086, 32.8452, 8.1544**, and if you desaturate by 10%, it is **20.3314, 34.2423, 13.2449**.

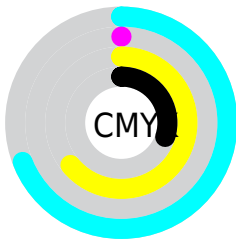
Distribution



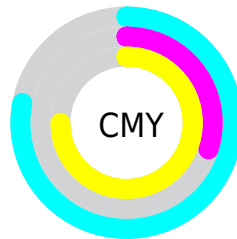
- Red (22%)
- Green (70%)
- Blue (25%)



- Red (22%)
- Yellow (67%)
- Blue (70%)



- Cyan (69%)
- Magenta (0%)
- Yellow (64%)
- Black (30%)



- Cyan (78%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6211, 33.4226, 10.3203 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 18.6211, 33.4226, 10.3203 by changing the saturation by 10% instead.

■ 18.6211, 33.4226,
10.3203

■ 18.6211, 33.4226,
10.3203

237.3274,
317.5497, 203.5102

■ 11.4992, 22.4504,
5.5035

■ 40.6147, 65.0348,
27.0134

■ 6.4734, 14.1882,
2.4817

■ 56.2171, 86.4435,
39.7268

■ 3.1784, 8.2517,
0.8305

■ 75.3771, 112.0998,
55.9094

■ 1.2488, 4.2564,
0.0000

■ 98.4599, 142.3882,
75.9798

■ 0.1444, 1.8180,
0.0000

■ 125.8310,
177.6930, 100.3566

■ 0.0000, 0.4984,
0.0000

157.8557,

■ 0.0000, 0.0000,

218.3985, 129.4582

0.0000

194.8994,
264.8893, 163.7032

■ 18.6211, 33.4226,
10.3203

■ 18.6211, 33.4226,
10.3203

■ 17.4086, 32.8452,
8.1544

■ 20.3314, 34.2423,
13.2449

■ 16.6380, 32.4799,
6.6750

■ 22.5829, 35.3225,
16.9872

■ 16.2177, 32.2822,
5.7990

■ 25.4171, 36.6844,
21.6030

■ 16.1934, 32.2706,
5.7560

■ 28.8707, 38.3457,
27.1424

■ 32.9775, 40.3230,
33.6519

■ 37.7686, 42.6314,
41.1749

■ 43.2735, 45.2851,
49.7520

■ 49.5195, 48.2975,
59.4217

■ 56.5329, 51.6813,
70.2204

Harmonies

Analogous

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



25.3348, 33.4226, 4.5239



18.6211, 33.4226, 10.3203



15.6716, 33.4226, 27.1373

Triad

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



18.6211, 33.4226, 10.3203



28.3459, 33.4226, 128.9676



54.9441, 33.4226, 19.9470

Complementary

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



18.6211, 33.4226, 10.3203



27.2132, 15.2189, 39.5339

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.



56.2560, 33.4226, 47.5415



18.6211, 33.4226, 10.3203



39.2055, 33.4226, 123.0472

Square

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



18.6211, 33.4226, 10.3203



20.4036, 33.4226, 101.5238



49.9834, 33.4226, 88.1516



46.7186, 33.4226, 7.5603

Rectangle

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



18.6211, 33.4226, 10.3203



15.6661, 33.4226, 47.3710



49.9834, 33.4226, 88.1516



56.2689, 33.4226, 27.2549

Sweetspot

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



18.6219, 33.4240, 10.3211



57.4296, 71.4296, 57.6941



33.5476, 41.1457, 9.7884



12.2683, 15.6060, 12.0617



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.



18.6219, 33.4240, 10.3211



30.3770, 58.4426, 13.0999



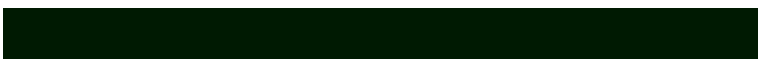
21.4153, 34.5413, 25.0307



8.4132, 9.4998, 9.1695



11.4523, 22.8069, 4.1185



0.3686, 0.7209, 0.1729

Inverse Universe

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



27.2132, 15.2189, 39.5339



46.6990, 23.7103, 68.4911



22.7035, 13.4150, 15.7862



8.8229, 8.6359, 10.5657



18.0113, 8.7221, 26.2830



0.5746, 0.2776, 0.8684

Previews

White Background



This preview shows how the XYZ color 18.6211, 33.4226, 10.3203 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 18.6211, 33.4226, 10.3203 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 18.6211, 33.4226, 10.3203

Background



This preview shows how black text looks on a background with the XYZ color 18.6211, 33.4226, 10.3203.



This preview shows how white text looks on a background with the XYZ color 18.6211, 33.4226,

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

18.6211, 33.4226, 10.3203

Protanopia

29.6934, 32.6223, 8.6026

Deuteranopia

33.3118, 32.7506, 11.0443



Tritanopia

26.3676, 33.4162, 48.7763

Trichromacy



Original Color

18.6211, 33.4226, 10.3203



Protanomaly

23.2970, 31.6230, 9.1509



Deuteranomaly

24.6590, 30.9893, 10.4762



Tritanomaly

22.3205, 32.8765, 29.2141

Monochromacy



Original Color

18.6211, 33.4226, 10.3203



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.4630, 24.7121, 17.1614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6211, 33.4226, 10.3203 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(55, 179, 64)` looks like.

```
.text, #text, p{  
    color:rgb(55, 179, 64)  
}
```

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(55, 179, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 179, 64) }
```

Border

The CSS property to change the border of an element to XYZ 18.6211, 33.4226, 10.3203 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(55, 179, 64) }
```


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

```
.border{ border-color:rgb(55, 179, 64) }
```

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

Here you see how a box with a 4 pixel rgb(55, 179, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 179, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 179, 64);  
box-shadow:4px 4px 4px 4px rgb(55, 179,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6211, 33.4226, 10.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 179, 64) }
```

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

```
.background{ background-color: rgb(55, 179,  
64) }
```

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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