

Converting Colors

XYZ(19.1999, 36.7809, 10.4243)

Have a look what the booklet for
XYZ(19.1999, 36.7809, 10.4243)
contains.

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Color

**XYZ(19.2102, 36.8230,
10.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	0FBD3C
RGB	15, 189, 60
RGB Percent	6%, 74%, 24%
CMY	0.9412, 0.2588, 0.7647
CMYK	0.92, 0.00, 0.68, 0.26
HSL	136°, 85%, 40%
HSV	136°, 92%, 74%
XYZ	19.2102, 36.8230, 10.3700
YIQ	122.2680, -62.2950, -77.0070

Conversions

Conversions Part 2

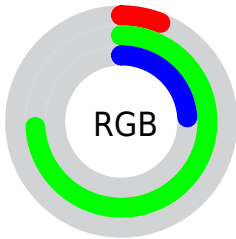
Format	Color
RYB	15, 153, 189
Decimal	1031484
CIELab	67.14, -64.95, 52.02
CIELCh	67, 83.214, 141.310
Yxy	36.8230, 0.2893, 0.5545
Android (android.graphics.Color)	4279221564 (0xFF0FBD3C)
YUV	122.2680, -30.6981, -94.0740
Hunter-Lab	60.6820, -49.6853, 32.3452

Details

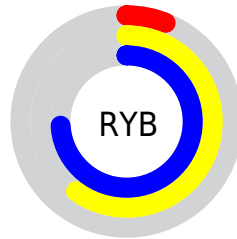
The XYZ color **19.2102, 36.8230, 10.3700** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.1921, 13.1746, 27.5486**, and the grayscale version is **18.6991, 19.6730, 21.4239**.

A 20% lighter version of the original color is **41.7209, 70.5386, 27.0392**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.7502, 36.6174, 8.9723**, and if you desaturate by 10%, it is **20.0914, 37.2297, 12.6085**.

Distribution



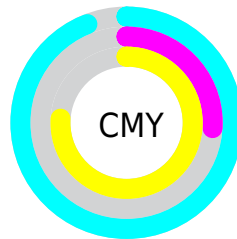
- Red (6%)
- Green (74%)
- Blue (24%)



- Red (6%)
- Yellow (60%)
- Blue (74%)



- Cyan (92%)
- Magenta (0%)
- Yellow (68%)
- Black (26%)



- Cyan (94%)
- Magenta (26%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2102, 36.8230, 10.3700 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 19.2102, 36.8230, 10.3700 by changing the saturation by 10% instead.

■ 19.2102, 36.8230,
10.3700

■ 19.2102, 36.8230,
10.3700

240.5226,
332.5436, 203.8726

■ 11.9272, 25.0705,
5.5362

■ 41.6031, 70.3005,
27.1078

■ 6.7659, 16.1296,
2.5010

■ 57.4437, 92.7942,
39.8488

■ 3.3612, 9.6159,
0.8407

■ 76.8675, 119.6372,
56.0626

■ 1.3475, 5.1450,
0.0000

■ 100.2400,
151.2137, 76.1677

■ 0.2184, 2.3326,
0.0000

■ 127.9263,
187.9082, 100.5828

■ 0.0000, 0.7909,
0.0000

160.2920,

■ 0.0000, 0.0000,

230.1051, 129.7263

0.0000

197.7023,
278.1887, 164.0167

■ 19.2102, 36.8230,
10.3700

■ 19.2102, 36.8230,
10.3700

■ 18.7502, 36.6174,
8.9723

■ 20.0914, 37.2297,
12.6085

■ 21.4188, 37.8533,
15.4162

■ 23.2490, 38.7231,
18.8298

■ 25.6292, 39.8629,
22.8825

■ 28.6008, 41.2934,
27.6049

■ 32.2012, 43.0332,
33.0254

■ 36.4648, 45.0996,
39.1711

■ 41.4233, 47.5082,
46.0675

■ 47.1063, 50.2740,
53.7387

Harmonies

Analogous

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



26.8657, 36.8230, 3.8824



19.2102, 36.8230, 10.3700



16.0076, 36.8230, 30.4432

Triad

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



19.2102, 36.8230, 10.3700



31.4435, 36.8230, 156.2952



62.9794, 36.8230, 19.6960

Complementary

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



19.2102, 36.8230, 10.3700



26.1921, 13.1746, 27.5486

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.



65.0539, 36.8230, 51.5951



19.2102, 36.8230, 10.3700



44.6279, 36.8230, 146.6606

Square

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



19.2102, 36.8230, 10.3700



21.8643, 36.8230, 123.0154



57.6858, 36.8230, 101.4928



52.5580, 36.8230, 6.5587

Rectangle

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



19.2102, 36.8230, 10.3700



16.1228, 36.8230, 55.4057



57.6858, 36.8230, 101.4928



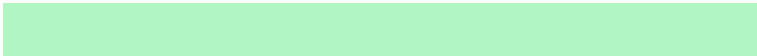
64.7617, 36.8230, 27.9002

Sweetspot

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



19.2111, 36.8245, 10.3708



60.2901, 78.3381, 62.9724



30.0505, 42.4967, 7.0709



12.2956, 16.5221, 12.5628



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.



19.2111, 36.8245, 10.3708



33.4979, 65.5463, 15.6347



23.5451, 38.5581, 33.1934



9.5073, 10.6891, 10.6552



12.6422, 24.6472, 6.1788



0.5230, 0.9766, 0.3882

Inverse Universe

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



26.1921, 13.1746, 27.5486



45.9771, 22.7328, 45.9433



21.9345, 11.4716, 5.1285



9.8217, 9.6530, 11.4501



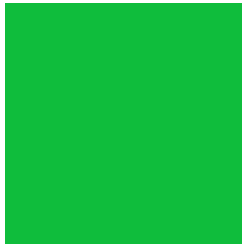
17.3435, 8.5686, 17.6344



0.7046, 0.3457, 0.8238

Previews

White Background



This preview shows how the XYZ color 19.2102, 36.8230, 10.3700 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 19.2102, 36.8230, 10.3700 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 19.2102, 36.8230, 10.3700

Background



This preview shows how black text looks on a background with the XYZ color 19.2102, 36.8230, 10.3700.



This preview shows how white text looks on a background with the XYZ color 19.2102, 36.8230,

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

19.2102, 36.8230, 10.3700

Protanopia

32.6190, 35.9215, 8.5825

Deuteranopia

36.8127, 35.9966, 11.1387



Tritanopia

28.2680, 36.8256, 54.9084

Trichromacy



Original Color

19.2102, 36.8230, 10.3700



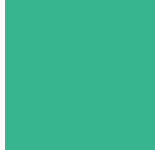
Protanomaly

23.3515, 33.8555, 9.0454



Deuteranomaly

24.5350, 33.0413, 10.5533



Tritanomaly

23.0573, 35.8431, 31.6898

Monochromacy



Original Color

19.2102, 36.8230, 10.3700



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.0983, 23.2976, 15.4528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2102, 36.8230, 10.3700 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(15, 189, 60)` looks like.

```
.text, #text, p{  
    color:rgb(15, 189, 60)  
}
```

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(15, 189, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 189, 60) }
```

Border

The CSS property to change the border of an element to XYZ 19.2102, 36.8230, 10.3700 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(15, 189, 60) }
```


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

```
.border{ border-color:rgb(15, 189, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 189, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 189, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 189, 60);  
box-shadow:4px 4px 4px 4px rgb(15, 189,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2102, 36.8230, 10.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 189, 60) }
```

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

```
.background{ background-color: rgb(15, 189,  
60) }
```

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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