

# Converting Colors

XYZ(17.7384, 35.7455, 12.3839)

Have a look what the booklet for  
XYZ(17.7384, 35.7455, 12.3839)  
contains.

<b>XYZ(19.2193, 36.4609, 12.5033)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(19.2193, 36.4609,  
12.5033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BC4A
RGB	0, 188, 74
RGB Percent	0%, 74%, 29%
CMY	1.0000, 0.2627, 0.7098
CMYK	1.00, 0.00, 0.61, 0.26
HSL	144°, 100%, 37%
HSV	144°, 100%, 74%
XYZ	19.2193, 36.4609, 12.5033
YIQ	118.7920, -75.4540, -75.3100

# Conversions

## Conversions Part 2

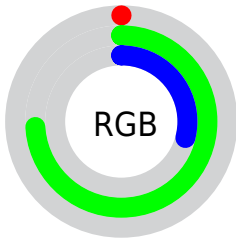
Format	Color
<a href="#">RYB</a>	0, 135, 188
Decimal	48202
CIELab	66.87, -63.73, 45.67
CIELCh	67, 78.401, 144.373
Yxy	36.4609, 0.2819, 0.5347
Android (android.graphics.Color)	4278238282 (0xFF00BC4A)
YUV	118.7920, -22.0825, -104.1806
Hunter-Lab	60.3829, -48.8551, 29.9910

# Details

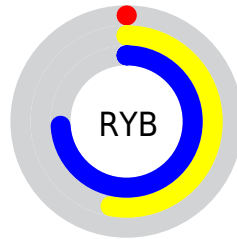
The XYZ color **19.2193, 36.4609, 12.5033** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **23.7776, 11.9070, 16.9668**, and the grayscale version is **17.5548, 18.4690, 20.1127**.

A 20% lighter version of the original color is **41.7587, 70.0146, 31.0519**, and **8.5138, 16.8256, 3.4608** is the 20% darker color. If you saturate the color by 10%, you get **19.2199, 36.4623, 12.5033**, and if you desaturate by 10%, it is **19.9046, 36.7667, 14.7263**.

# Distribution



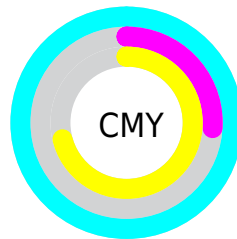
- Red (0%)
- Green (74%)
- Blue (29%)



- Red (0%)
- Yellow (53%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2193, 36.4609, 12.5033 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 19.2193, 36.4609, 12.5033 by changing the saturation by 10% instead.





 19.2193, 36.4609,  
12.5033


 19.2193, 36.4609,  
12.5033


240.5717,  
330.9706, 218.8042


 11.9338, 24.7904,  
6.9607


 41.6183, 69.7429,  
31.0865

 6.7705, 15.9209,  
3.3595


 57.4626, 92.1231,  
44.9642


 3.3640, 9.4682,  
1.2810


 76.8905, 118.8420,  
62.4574

 1.3491, 5.0478,  
0.0461

 100.2673,  
150.2840, 83.9846

 0.2195, 2.2754,  
0.0000

 127.9585,  
186.8334, 109.9643

 0.0000, 0.7606,  
0.0000

 160.3294,

 0.0000, 0.0000,

228.8748, 140.8152

0.0000

197.7454,  
276.7923, 176.9556

■ 19.2193, 36.4609,  
12.5033

■ 19.2193, 36.4609,  
12.5033

■ 19.2199, 36.4623,  
12.5033

■ 19.9046, 36.7667,  
14.7263

■ 20.9174, 37.2320,  
17.3455

■ 22.3554, 37.9075,  
20.3832

■ 24.2682, 38.8187,  
23.8576

■ 26.6981, 39.9869,  
27.7859

■ 29.6825, 41.4312,  
32.1839

■ 33.2554, 43.1687,  
37.0671

■ 37.4476, 45.2150,  
42.4498

■ 42.2880, 47.5849,  
48.3461

# Harmonies

## Analogous

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



26.0652, 36.4609, 4.9680



19.2193, 36.4609, 12.5033



16.5451, 36.4609, 33.6308

# Triad

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



19.2193, 36.4609, 12.5033



32.4655, 36.4609, 146.7165



59.8727, 36.4609, 18.3764

# Complementary

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



19.2193, 36.4609, 12.5033



23.7776, 11.9070, 16.9668

# 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.



62.6856, 36.4609, 46.4581



19.2193, 36.4609, 12.5033



44.9507, 36.4609, 133.9368

# Square

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



19.2193, 36.4609, 12.5033



22.9899, 36.4609, 120.0344



56.7088, 36.4609, 91.2311



49.7189, 36.4609, 6.7497



# Rectangle

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



19.2193, 36.4609, 12.5033



16.9170, 36.4609, 58.2328



56.7088, 36.4609, 91.2311



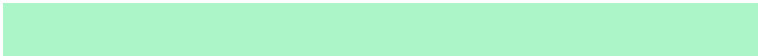
61.7927, 36.4609, 25.5862

# Sweetspot

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



19.2202, 36.4624, 12.5041



59.9215, 78.0649, 66.7168



25.1782, 39.6767, 6.3315



12.2748, 16.4901, 13.5251



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.



19.2202, 36.4624, 12.5041



34.7196, 66.0349, 22.0682



24.8734, 38.7237, 42.2738



9.5601, 10.7102, 10.9330



13.1197, 24.8382, 8.6932



0.5462, 0.9859, 0.5107



# Inverse Universe

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



23.7776, 11.9070, 16.9668



42.9671, 21.5288, 30.0930



20.8842, 10.7497, 1.7302



9.7666, 9.6309, 11.1597



16.2256, 8.1214, 11.7476

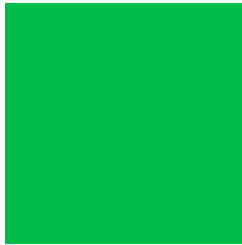


0.6669, 0.3306, 0.6251



# Previews

## White Background



This preview shows how the XYZ color 19.2193, 36.4609, 12.5033 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 19.2193, 36.4609, 12.5033 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 19.2193, 36.4609, 12.5033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.2193, 36.4609, 12.5033.



This preview shows how white text looks on a background with the XYZ color 19.2193, 36.4609, 12.5033.



# 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

19.2193, 36.4609, 12.5033

### Protanopia

32.7261, 35.9373, 10.3660

### Deuteranopia

36.4445, 35.7571, 13.3685



## Tritanopia

27.8310, 36.3081, 54.8315

# Trichromacy



## Original Color

19.2193, 36.4609, 12.5033



## Protanomaly

22.7073, 33.2003, 10.8417



## Deuteranomaly

23.6884, 32.2872, 12.5730



## Tritanomaly

22.8855, 35.4090, 33.6454

# Monochromacy



## Original Color

19.2193, 36.4609, 12.5033



## Achromatopsia

17.5343, 18.4475, 20.0893



## Achromatomaly

15.4019, 22.4623, 16.3559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.2193, 36.4609, 12.5033 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(0, 188, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 74)  
}
```

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(0, 188, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 74) }
```

## Border

The CSS property to change the border of an element to XYZ 19.2193, 36.4609, 12.5033 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(0, 188, 74) }
```



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

```
.border{ border-color:rgb(0, 188, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 188, 74)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 19.2193, 36.4609, 12.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 74) }
```

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

```
.background{ background-color: rgb(0, 188,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor