

# Converting Colors

XYZ(30.5492, 41.3828, 5.4270)

Have a look what the booklet for  
XYZ(30.5492, 41.3828, 5.4270)  
contains.

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# Color

**XYZ(30.8665, 41.6665,  
6.4156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BB900
RGB	155, 185, 0
RGB Percent	61%, 73%, 0%
CMY	0.3922, 0.2745, 0.9999
CMYK	0.16, 0.00, 1.00, 0.27
HSL	70°, 100%, 36%
HSV	70°, 100%, 73%
XYZ	30.8665, 41.6665, 6.4156
YIQ	154.9400, 41.5050, -63.8950

# Conversions

## Conversions Part 2

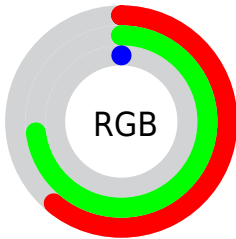
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 185, 30
Decimal	10205440
CIELab	70.64, -29.77, 71.55
CIELCh	71, 77.501, 112.590
Yxy	41.6665, 0.3910, 0.5278
Android (android.graphics.Color)	4288395520 (0xFF9BB900)
YUV	154.9400, -76.3854, 0.0526
Hunter-Lab	64.5496, -27.6062, 39.2919

# Details

The XYZ color **30.8665, 41.6665, 6.4156** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.2938, 3.7798, 46.1413**, and the grayscale version is **31.4457, 33.0833, 36.0277**.

A 20% lighter version of the original color is **60.3072, 77.6212, 19.2010**, and **13.3969, 19.1552, 2.9912** is the 20% darker color. If you saturate the color by 10%, you get **30.8667, 41.6680, 6.4159**, and if you desaturate by 10%, it is **31.5640, 42.0144, 7.0408**.

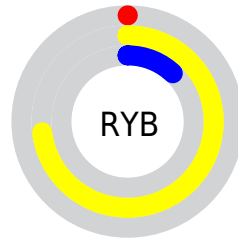
# Distribution



Red (61%)

Green (73%)

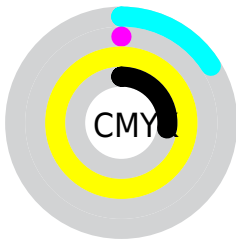
Blue (0%)



Red (0%)

Yellow (73%)

Blue (12%)

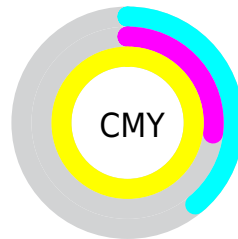


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (39%)

Magenta (27%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8665, 41.6665, 6.4156 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 30.8665, 41.6665, 6.4156 by changing the saturation by 10% instead.





 30.8665, 41.6665,  
6.4156


 30.8665, 41.6665,  
6.4156


297.7607,  
353.0986, 172.1578


 20.6485, 28.8402,  
3.0266


 60.4071, 77.6946,  
19.2800


 12.9783, 18.9600,  
1.1082

 80.4605, 101.6653,  
29.5924

 7.4905, 11.6414,  
0.0000


 104.5230,  
130.1196, 43.0496

 3.8198, 6.5000,  
0.0000

 132.9600,  
163.4418, 60.0703

 1.6007, 3.1514,  
0.0000

 166.1370,  
202.0164, 81.0729

 0.3929, 1.2113,  
0.0000

 204.4192,

 0.0000, 0.0709,

246.2279, 106.4760

0.0000

248.1720,  
296.4604, 136.6981

■ 0.0000, 0.0000,  
0.0000

■ 30.8665, 41.6665,  
6.4156

■ 30.8665, 41.6665,  
6.4156

■ 30.8667, 41.6680,  
6.4159

■ 31.5640, 42.0144,  
7.0408

■ 32.3823, 42.4107,  
8.2313

■ 33.3623, 42.8734,  
10.1972

■ 34.5236, 43.4103,  
13.0418

■ 35.8829, 44.0282,  
16.8522

■ 37.4549, 44.7328,  
21.7055

■ 39.2529, 45.5295,  
27.6707

■ 41.2889, 46.4231,  
34.8110

■ 43.5740, 47.4182,  
43.1847

# Harmonies

## Analogous

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



42.8683, 41.6665, 5.1923



30.8665, 41.6665, 6.4156



23.0693, 41.6665, 14.5702

# Triad

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



30.8665, 41.6665, 6.4156



26.4331, 41.6665, 127.7450



69.4294, 41.6665, 55.0971

# Complementary

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



30.8665, 41.6665, 6.4156



9.2938, 3.7798, 46.1413

# 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.



62.5928, 41.6665, 103.2069



30.8665, 41.6665, 6.4156



36.5074, 41.6665, 157.5940

# Square

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



30.8665, 41.6665, 6.4156



20.9218, 41.6665, 78.2576



49.8491, 41.6665, 146.7776



67.0071, 41.6665, 23.2896



# Rectangle

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



30.8665, 41.6665, 6.4156



20.4276, 41.6665, 27.3502



49.8491, 41.6665, 146.7776



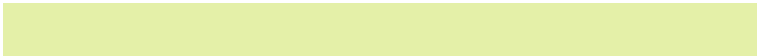
68.0952, 41.6665, 69.9445

# Sweetspot

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



30.8674, 41.6684, 6.4165



70.1265, 81.4629, 48.9711



20.4186, 11.1344, 1.0735



14.8185, 17.4294, 9.5497



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



30.8674, 41.6684, 6.4165



55.1107, 74.5362, 11.4823



19.5144, 35.8157, 5.8852



9.6033, 10.4277, 9.6135



21.0680, 28.3973, 4.3708



0.7814, 1.0210, 0.1559



# Inverse Universe

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



9.2938, 3.7798, 46.1413



16.5158, 6.7025, 82.6278



16.5395, 7.5151, 46.4803



8.6532, 8.7876, 11.3195



6.3693, 2.5947, 31.4182



0.2672, 0.1134, 1.1096



# Previews

## White Background



This preview shows how the XYZ color 30.8665, 41.6665, 6.4156 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 30.8665, 41.6665, 6.4156 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 30.8665, 41.6665, 6.4156**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8665, 41.6665, 6.4156.



This preview shows how white text looks on a background with the XYZ color 30.8665, 41.6665,



# 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

30.8665, 41.6665, 6.4156

### Protanopia

37.4492, 41.4892, 6.0344

### Deuteranopia

42.1514, 41.4069, 7.1372



## Tritanopia

40.1930, 41.5963, 52.3649

# Trichromacy



## Original Color

30.8665, 41.6665, 6.4156

## Protanomaly

34.5445, 41.1476, 6.1216

## Deuteranomaly

37.1269, 41.0249, 6.6236

## Tritanomaly

34.5092, 40.7516, 23.1866

# Monochromacy



## Original Color

30.8665, 41.6665, 6.4156

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

29.4059, 35.1419, 17.0376

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8665, 41.6665, 6.4156 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(155, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 185, 0)  
}
```

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(155, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 185, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8665, 41.6665, 6.4156 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(155, 185, 0) }
```



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

```
.border{ border-color:rgb(155, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 185,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8665, 41.6665, 6.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 185, 0) }
```

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

```
.background{ background-color: rgb(155,  
185, 0) }
```

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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