

# Converting Colors

XYZ(36.7218, 46.5663, 8.0300)

Have a look what the booklet for  
XYZ(36.7218, 46.5663, 8.0300)  
contains.

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# Color

**XYZ(36.7218, 46.5663,  
8.0300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BF1A
RGB	176, 191, 26
RGB Percent	69%, 75%, 10%
CMY	0.3098, 0.2510, 0.8980
CMYK	0.08, 0.00, 0.86, 0.25
HSL	65°, 76%, 43%
HSV	65°, 86%, 75%
XYZ	36.7218, 46.5663, 8.0300
YIQ	167.7050, 44.0250, -54.4950

# Conversions

## Conversions Part 2

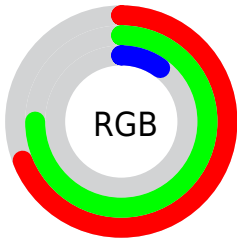
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 191, 41
Decimal	11583258
CIE Lab	73.91, -23.38, 71.15
CIE LCh	74, 74.893, 108.194
Yxy	46.5663, 0.4021, 0.5099
Android (android.graphics.Color)	4289773338 (0xFFB0BF1A)
YUV	167.7050, -69.8606, 7.2747
Hunter-Lab	68.2395, -23.3627, 40.7908

# Details

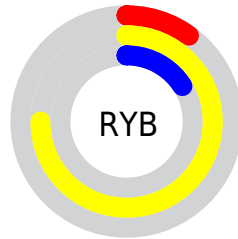
The XYZ color **36.7218, 46.5663, 8.0300** is a dark color, and the websafe version is hex **CCCC33**, and the color name is **acid green**. A complement of this color would be **10.6892, 4.9728, 49.6895**, and the grayscale version is **37.3929, 39.3402, 42.8415**.

A 20% lighter version of the original color is **69.4100, 84.9390, 22.6341**, and **16.6962, 22.0989, 3.3855** is the 20% darker color. If you saturate the color by 10%, you get **36.1839, 46.3078, 7.2296**, and if you desaturate by 10%, it is **37.4074, 46.8879, 9.5725**.

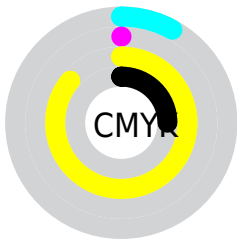
# Distribution



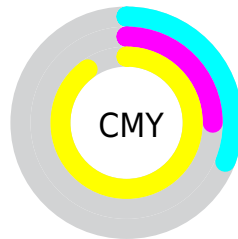
- Red (69%)
- Green (75%)
- Blue (10%)



- Red (10%)
- Yellow (75%)
- Blue (16%)



- Cyan (8%)
- Magenta (0%)
- Yellow (86%)
- Black (25%)



- Cyan (31%)
- Magenta (25%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7218, 46.5663, 8.0300 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 36.7218, 46.5663, 8.0300 by changing the saturation by 10% instead.



■ 36.7218, 46.5663,  
8.0300

■ 36.7218, 46.5663,  
8.0300

323.4810,  
373.0807, 185.9105

■ 25.1649, 32.6929,  
4.0261

■ 69.4613, 85.0659,  
22.5644

■ 16.3293, 21.8913,  
1.6397

■ 91.3746, 110.4609,  
33.9319

■ 9.8498, 13.7771,  
0.3189

■ 117.4707,  
140.4652, 48.5911

■ 5.3610, 7.9658,  
0.0000

■ 148.1150,  
175.4633, 66.9605

■ 2.4975, 4.0731,  
0.0000

■ 183.6728,  
215.8395, 89.4586

■ 0.8940, 1.7145,  
0.0000

■ 224.5095,

■ 0.0000, 0.4330,

261.9782, 116.5039

0.0000

270.9904,  
314.2638, 148.5150

■ 0.0000, 0.0000,  
0.0000

■ 36.7218, 46.5663,  
8.0300

■ 36.7218, 46.5663,  
8.0300

■ 36.1839, 46.3078,  
7.2296

■ 37.4074, 46.8879,  
9.5725

■ 36.0061, 46.2205,  
7.0237

■ 38.2634, 47.2766,  
11.9906

■ 39.3108, 47.7424,  
15.3901

■ 40.5667, 48.2921,  
19.8609

■ 42.0462, 48.9320,  
25.4830

■ 43.7632, 49.6674,  
32.3287

■ 45.7302, 50.5034,  
40.4642

■ 47.9590, 51.4447,  
49.9512

■ 50.4605, 52.4957,  
60.8473

# Harmonies

## Analogous

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



49.7199, 46.5663, 7.4254



36.7218, 46.5663, 8.0300



27.7562, 46.5663, 15.7989

# Triad

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



36.7218, 46.5663, 8.0300



29.2640, 46.5663, 127.5739



74.4268, 46.5663, 67.2728

# Complementary

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



36.7218, 46.5663, 8.0300



10.6892, 4.9728, 49.6895

# 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.



66.2738, 46.5663, 117.1587



36.7218, 46.5663, 8.0300



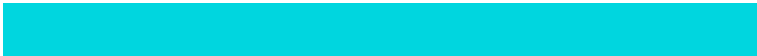
39.2149, 46.5663, 162.0124

# Square

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



36.7218, 46.5663, 8.0300



24.0848, 46.5663, 77.2831



52.7648, 46.5663, 157.4576



73.3852, 46.5663, 31.0448



# Rectangle

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



36.7218, 46.5663, 8.0300



24.4554, 46.5663, 28.0112



52.7648, 46.5663, 157.4576



72.6130, 46.5663, 83.1918

# Sweetspot

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



36.7229, 46.5684, 8.0310



78.3662, 88.9454, 57.8589



22.4244, 12.6530, 2.2382



16.9609, 19.4258, 11.7053



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



36.7229, 46.5684, 8.0310



64.3741, 82.7201, 12.5737



23.5126, 39.7583, 7.4127



10.2344, 11.0752, 10.1750



23.6970, 30.3921, 4.6173



0.9535, 1.2035, 0.1820



# Inverse Universe

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



10.6892, 4.9728, 49.6895



17.1845, 6.9133, 88.7078



17.8366, 8.6574, 50.0240



9.0948, 9.2658, 11.9813



6.3672, 2.5685, 32.5531



0.2769, 0.1148, 1.2764



# Previews

## White Background



This preview shows how the XYZ color 36.7218, 46.5663, 8.0300 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 36.7218, 46.5663, 8.0300 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 36.7218, 46.5663, 8.0300**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7218, 46.5663, 8.0300.



This preview shows how white text looks on a background with the XYZ color 36.7218, 46.5663,



# 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

36.7218, 46.5663, 8.0300

### Protanopia

41.7844, 46.3551, 7.5558

### Deuteranopia

47.1304, 46.1522, 8.4317



## Tritanopia

46.6700, 46.5937, 56.4029

# Trichromacy



## Original Color

36.7218, 46.5663, 8.0300

## Protanomaly

39.7620, 46.2332, 7.6924

## Deuteranomaly

42.7180, 45.9169, 8.2015

## Tritanomaly

41.1059, 45.8472, 28.5127

# Monochromacy



## Original Color

36.7218, 46.5663, 8.0300

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

35.4723, 40.9695, 22.5613

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7218, 46.5663, 8.0300 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(176, 191, 26)` looks like.

```
.text, #text, p{  
    color:rgb(176, 191, 26)  
}
```

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(176, 191, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 191, 26) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7218, 46.5663, 8.0300 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(176, 191, 26) }
```



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

```
.border{ border-color:rgb(176, 191, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 191, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 191, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 191, 26);  
box-shadow:4px 4px 4px 4px rgb(176, 191,  
26) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7218, 46.5663, 8.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 191, 26) }
```

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

```
.background{ background-color: rgb(176,  
191, 26) }
```

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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