

# Converting Colors

XYZ(36.4407, 40.8925, 5.9724)

Have a look what the booklet for  
XYZ(36.4407, 40.8925, 5.9724)  
contains.

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# Color

**XYZ(36.4294, 40.9635,  
5.9867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFAD00
RGB	191, 173, 0
RGB Percent	75%, 68%, 0%
CMY	0.2510, 0.3215, 0.9999
CMYK	0.00, 0.09, 1.00, 0.25
HSL	54°, 100%, 37%
HSV	54°, 100%, 75%
XYZ	36.4294, 40.9635, 5.9867
YIQ	158.6600, 66.2610, -49.9870

# Conversions

## Conversions Part 2

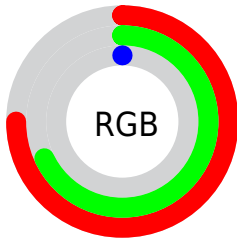
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	20, 191, 0
Decimal	12561664
CIE Lab	70.15, -8.14, 72.48
CIE LCh	70, 72.940, 96.409
Yxy	40.9635, 0.4369, 0.4913
Android (android.graphics.Color)	4290751744 (0xFFBFAD00)
YUV	158.6600, -78.2194, 28.3622
Hunter-Lab	64.0027, -10.4053, 39.2560

# Details

The XYZ color **36.4294, 40.9635, 5.9867** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.6206, 4.1946, 49.5923**, and the grayscale version is **33.1258, 34.8509, 37.9526**.

A 20% lighter version of the original color is **68.9022, 76.5461, 18.3511**, and **16.5102, 18.6613, 2.7318** is the 20% darker color. If you saturate the color by 10%, you get **36.4299, 40.9648, 5.9869**, and if you desaturate by 10%, it is **36.8962, 41.7077, 6.7271**.

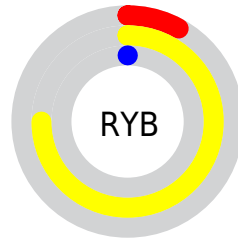
# Distribution



Red (75%)

Green (68%)

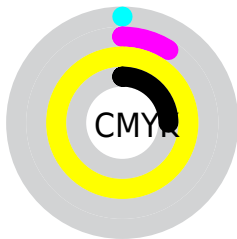
Blue (0%)



Red (8%)

Yellow (75%)

Blue (0%)

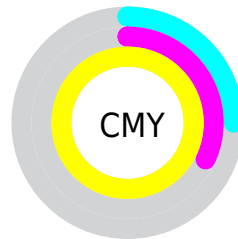


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (32%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4294, 40.9635, 5.9867 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 36.4294, 40.9635, 5.9867 by changing the saturation by 10% instead.



36.4294, 40.9635,  
5.9867

36.4294, 40.9635,  
5.9867

322.2321,  
350.1680, 168.2544

24.9377, 28.2906,  
2.7683

69.0139, 76.6285,  
18.3805

16.1591, 18.5448,  
0.9776

90.8373, 100.3893,  
28.3930

9.7284, 11.3418,  
0.0000

116.8353,  
128.6149, 41.5072

5.2801, 6.2972,  
0.0000

147.3733,  
161.6897, 58.1418

2.4490, 3.0267,  
0.0000

182.8167,  
199.9980, 78.7153

0.8696, 1.1457,  
0.0000

223.5307,

0.0000, 0.0166,

243.9242, 103.6462

0.0000

269.8807,  
293.8527, 133.3531

■ 0.0000, 0.0000,  
0.0000

■ 36.4294, 40.9635,  
5.9867

■ 36.4294, 40.9635,  
5.9867

■ 36.4299, 40.9648,  
5.9869

■ 36.8962, 41.7077,  
6.7271

■ 37.4831, 42.5058,  
8.0810

■ 38.2330, 43.3766,  
10.2698

■ 39.1670, 44.3286,  
13.4056

■ 40.3033, 45.3690,  
17.5828

■ 41.6576, 46.5042,  
22.8847

■ 43.2441, 47.7400,  
29.3861

■ 45.0759, 49.0814,  
37.1553

■ 47.1649, 50.5334,  
46.2555

# Harmonies

## Analogous

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



48.8573, 40.9635, 7.4199



36.4294, 40.9635, 5.9867



26.8428, 40.9635, 9.8668

# Triad

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



36.4294, 40.9635, 5.9867



23.2350, 40.9635, 96.0738



63.9720, 40.9635, 76.4055

# Complementary

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



36.4294, 40.9635, 5.9867



9.6206, 4.1946, 49.5923

# 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.



54.2016, 40.9635, 121.1360



36.4294, 40.9635, 5.9867



30.4554, 40.9635, 135.9812

# Square

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



36.4294, 40.9635, 5.9867



20.2957, 40.9635, 52.3459



41.5521, 40.9635, 146.9464



66.4743, 40.9635, 37.6627



# Rectangle

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



36.4294, 40.9635, 5.9867



22.7794, 40.9635, 17.2311



41.5521, 40.9635, 146.9464



61.3440, 40.9635, 91.7270

# Sweetspot

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



36.4303, 40.9655, 5.9875



77.3040, 85.3921, 52.0167



21.6044, 11.1240, 1.6297



16.6993, 18.5398, 10.2816



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.



36.4303, 40.9655, 5.9875



65.1492, 73.1735, 10.6902



25.6493, 40.8795, 6.5392



10.2433, 10.9626, 10.1528



23.9734, 26.9855, 3.9452



0.9617, 1.1023, 0.1621



# Inverse Universe

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



9.6206, 4.1946, 49.5923



17.1551, 7.3620, 88.7960



12.4172, 5.3152, 49.6612



9.0869, 9.3661, 12.0011



6.3495, 2.8108, 32.6008

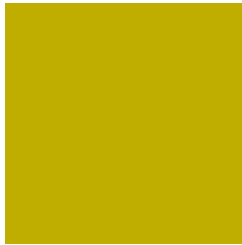


0.2734, 0.1594, 1.2852



# Previews

## White Background



This preview shows how the XYZ color 36.4294, 40.9635, 5.9867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

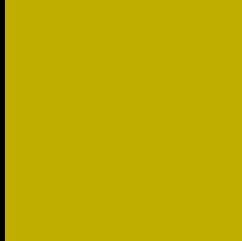
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.4294, 40.9635, 5.9867 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 36.4294, 40.9635, 5.9867**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.4294, 40.9635, 5.9867.



This preview shows how white text looks on a background with the XYZ color 36.4294, 40.9635,



# 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

36.4294, 40.9635, 5.9867

### Deuteranopia

41.8671, 41.0080, 6.5193

### Tritanopia

44.3751, 40.9244, 45.0955

# Trichromacy



## Original Color

36.4294, 40.9635, 5.9867

## Deuteranomaly

39.9174, 41.0818, 6.2776

## Tritanomaly

39.2956, 39.9064, 20.3835

# Monochromacy



## Original Color

36.4294, 40.9635, 5.9867

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

32.4190, 36.1484, 17.5806

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.4294, 40.9635, 5.9867 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(191, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 173, 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(191, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 173, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 36.4294, 40.9635, 5.9867 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(191, 173, 0) }
```

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

```
.border{ border-color:rgb(191, 173, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 173,  
0) }
```



# Background

The CSS property to change the background color of an element to XYZ 36.4294, 40.9635, 5.9867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 173, 0) }
```

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

```
.background{ background-color: rgb(191,  
173, 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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