

# Converting Colors

XYZ(35.9585, 33.0834, 6.9002)

Have a look what the booklet for  
XYZ(35.9585, 33.0834, 6.9002)  
contains.

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# Color

**XYZ(36.0092, 33.0922,  
6.8724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF8F2C
RGB	207, 143, 44
RGB Percent	81%, 56%, 17%
CMY	0.1882, 0.4392, 0.8274
CMYK	0.00, 0.31, 0.79, 0.19
HSL	36°, 65%, 49%
HSV	36°, 79%, 81%
XYZ	36.0092, 33.0922, 6.8724
YIQ	150.8500, 69.9230, -17.2210

# Conversions

## Conversions Part 2

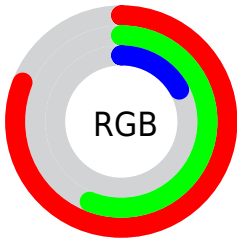
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 207, 44
Decimal	13602604
CIELab	64.24, 15.95, 58.71
CIELCh	64, 60.835, 74.799
Yxy	33.0922, 0.4740, 0.4356
Android (android.graphics.Color)	4291792684 (0xFFCF8F2C)
YUV	150.8500, -52.6770, 49.2436
Hunter-Lab	57.5258, 11.0647, 33.1849

# Details

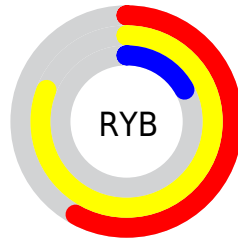
The XYZ color **36.0092, 33.0922, 6.8724** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.6634, 15.7649, 61.1429**, and the grayscale version is **29.5494, 31.0882, 33.8551**.

A 20% lighter version of the original color is **63.3639, 62.0556, 19.9475**, and **16.1271, 14.1246, 1.8763** is the 20% darker color. If you saturate the color by 10%, you get **34.5367, 30.6226, 4.9171**, and if you desaturate by 10%, it is **37.7655, 35.8195, 9.8795**.

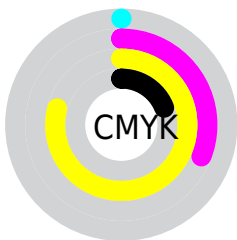
# Distribution



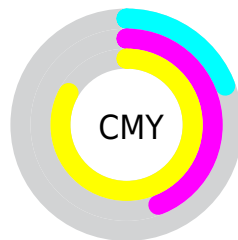
- Red (81%)
- Green (56%)
- Blue (17%)



- Red (58%)
- Yellow (81%)
- Blue (17%)



- Cyan (0%)
- Magenta (31%)
- Yellow (79%)
- Black (19%)




- Cyan (19%)
- Magenta (44%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0092, 33.0922, 6.8724 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 36.0092, 33.0922, 6.8724 by changing the saturation by 10% instead.





 36.0092, 33.0922,  
6.8724


 36.0092, 33.0922,  
6.8724


320.4313,  
316.0650, 176.1897

 24.6114, 22.1971,  
3.3052


 68.3700, 64.5194,  
20.2245

 15.9150, 14.0018,  
1.2525


 90.0638, 85.8204,  
30.8465


 9.5545, 8.1219,  
0.0224


 115.9204,  
111.3587, 44.6572

 5.1646, 4.1731,  
0.0000

 146.3050,  
141.5188, 62.0751

 2.3799, 1.7708,  
0.0000

 181.5830,  
176.6851, 83.5188

 0.8351, 0.4689,  
0.0000

 222.1198,

 0.0000, 0.0000,

217.2419, 109.4067

0.0000

268.2808,  
263.5738, 140.1575

■ 36.0092, 33.0922,  
6.8724

■ 36.0092, 33.0922,  
6.8724

■ 34.5367, 30.6226,  
4.9171

■ 37.7655, 35.8195,  
9.8795

■ 33.3036, 28.3858,  
3.7985

■ 39.8305, 38.8133,  
14.0710

■ 33.1583, 28.1180,  
3.6797

■ 42.2285, 42.0874,  
19.5618

■ 44.9800, 45.6527,  
26.4526

■ 48.1038, 49.5195,  
34.8340

■ 51.6173, 53.6973,  
44.7890

■ 55.5365, 58.1949,  
56.3944

■ 59.8764, 63.0208,  
69.7220

■ 64.6512, 68.1832,  
84.8391

# Harmonies

## Analogous

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



44.7623, 33.0922, 11.8438



36.0092, 33.0922, 6.8724



27.4012, 33.0922, 6.8438

# Triad

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



36.0092, 33.0922, 6.8724



17.9800, 33.0922, 49.5885



44.6580, 33.0922, 81.3832

# Complementary

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



36.0092, 33.0922, 6.8724



17.6634, 15.7649, 61.1429

# 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.



35.8861, 33.0922, 104.3010



36.0092, 33.0922, 6.8724



21.0842, 33.0922, 80.9773

# Square

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



36.0092, 33.0922, 6.8724



18.0008, 33.0922, 24.9494



27.2986, 33.0922, 104.1255



50.3434, 33.0922, 49.9888



# Rectangle

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



36.0092, 33.0922, 6.8724



22.8997, 33.0922, 9.3963



27.2986, 33.0922, 104.1255



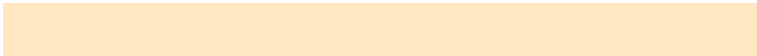
41.9084, 33.0922, 90.8593

# Sweetspot

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



36.0099, 33.0939, 6.8730



79.5234, 82.2825, 62.6120



29.4039, 16.1754, 16.0974



16.5982, 17.1042, 12.2171



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



36.0099, 33.0939, 6.8730



54.0544, 46.7474, 6.6374



44.1777, 55.8446, 10.8339



12.3976, 12.9859, 12.4652



20.9858, 17.9047, 2.3499



1.2495, 1.1533, 0.1568



# Inverse Universe

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



17.6634, 15.7649, 61.1429



23.7642, 18.3486, 96.8969



14.0450, 7.2767, 59.6953



11.5390, 12.1682, 14.9842



9.0485, 6.7436, 38.0172



0.5823, 0.5298, 2.1511



# Previews

## White Background



This preview shows how the XYZ color 36.0092, 33.0922, 6.8724 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 36.0092, 33.0922, 6.8724 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 36.0092, 33.0922, 6.8724**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.0092, 33.0922, 6.8724.



This preview shows how white text looks on a background with the XYZ color 36.0092, 33.0922,

6.8724.

# 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

36.0092, 33.0922, 6.8724

### Protanopia

30.0808, 33.0961, 7.4921

### Deuteranopia

33.7728, 33.0827, 6.7961



## Tritanopia

40.9997, 33.2099, 30.6348

# Trichromacy



## Original Color

36.0092, 33.0922, 6.8724

## Protanomaly

32.0533, 32.8953, 7.2448

## Deuteranomaly

34.5343, 33.0115, 6.8372

## Tritanomaly

38.5164, 32.8229, 18.4928

# Monochromacy



## Original Color

36.0092, 33.0922, 6.8724

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

30.3091, 31.0076, 19.7168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0092, 33.0922, 6.8724 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(207, 143, 44)` looks like.

```
.text, #text, p{  
    color:rgb(207, 143, 44)  
}
```

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(207, 143, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 143, 44) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0092, 33.0922, 6.8724 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(207, 143, 44) }
```



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

```
.border{ border-color:rgb(207, 143, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 143, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 143, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 143, 44);  
box-shadow:4px 4px 4px 4px rgb(207, 143,  
44) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0092, 33.0922, 6.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 143, 44) }
```

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

```
.background{ background-color: rgb(207,  
143, 44) }
```

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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