

# Converting Colors

XYZ(37.0698, 35.9146, 8.3815)

Have a look what the booklet for  
XYZ(37.0698, 35.9146, 8.3815)  
contains.

<b>XYZ(37.2107, 36.0186, 8.3592)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(37.2107, 36.0186,  
8.3592)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD9935
RGB	205, 153, 53
RGB Percent	80%, 60%, 21%
CMY	0.1961, 0.4000, 0.7921
CMYK	0.00, 0.25, 0.74, 0.20
HSL	39°, 60%, 51%
HSV	39°, 74%, 80%
XYZ	37.2107, 36.0186, 8.3592
YIQ	157.1480, 63.0920, -20.0760

# Conversions

## Conversions Part 2

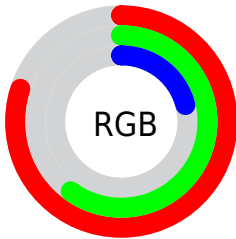
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 205, 53
Decimal	13474101
CIELab	66.53, 10.02, 57.30
CIElCh	67, 58.168, 80.077
Yxy	36.0186, 0.4561, 0.4415
Android (android.graphics.Color)	4291664181 (0xFFCD9935)
YUV	157.1480, -51.3450, 41.9662
Hunter-Lab	60.0155, 5.6461, 33.7527

# Details

The XYZ color **37.2107, 36.0186, 8.3592** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.5391, 15.2673, 59.7798**, and the grayscale version is **32.3194, 34.0026, 37.0288**.

A 20% lighter version of the original color is **66.1543, 66.9263, 23.0670**, and **16.6054, 15.6137, 2.1386** is the 20% darker color. If you saturate the color by 10%, you get **35.7221, 33.6417, 6.0134**, and if you desaturate by 10%, it is **38.9700, 38.6146, 11.7906**.

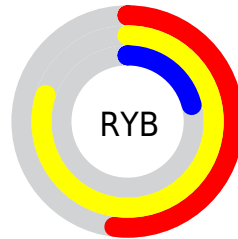
# Distribution



Red (80%)

Green (60%)

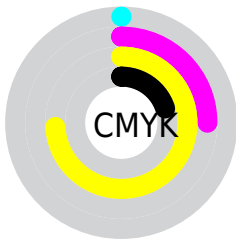
Blue (21%)



Red (52%)

Yellow (80%)

Blue (21%)

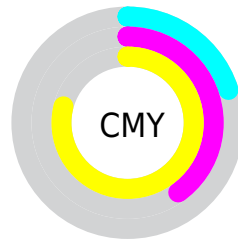


Cyan (0%)

Magenta (25%)

Yellow (74%)

Black (20%)



Cyan (20%)

Magenta (40%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2107, 36.0186, 8.3592 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 37.2107, 36.0186, 8.3592 by changing the saturation by 10% instead.



37.2107, 36.0186,  
8.3592

37.2107, 36.0186,  
8.3592

325.5616,  
329.0418, 188.5614

25.5451, 24.4486,  
4.2346

70.2085, 69.0608,  
23.2174

16.6145, 15.6667,  
1.7549

92.2713, 91.3017,  
34.7880

10.0536, 9.2886,  
0.3980

118.5306,  
117.8684, 49.6777

5.4971, 4.9299,  
0.0000

149.3518,  
149.1452, 68.3050

2.5795, 2.2062,  
0.0000

185.1001,  
185.5166, 91.0885

0.9355, 0.7234,  
0.0000

226.1409,

0.0000, 0.0000,

227.3669, 118.4467

0.0000

272.8396,  
275.0805, 150.7982

■ 37.2107, 36.0186,  
8.3592

■ 37.2107, 36.0186,  
8.3592

■ 35.7221, 33.6417,  
6.0134

■ 38.9700, 38.6146,  
11.7906

■ 34.4729, 31.4652,  
4.6044

■ 41.0215, 41.4359,  
16.4262

■ 33.8232, 30.2720,  
4.0604

■ 43.3871, 44.4942,  
22.3716

■ 46.0853, 47.7988,  
29.7199

■ 49.1332, 51.3581,  
38.5557

■ 52.5466, 55.1801,  
48.9571

■ 56.3402, 59.2723,  
60.9963

■ 60.5278, 63.6417,  
74.7414

■ 65.1225, 68.2952,  
90.2563

# Harmonies

## Analogous

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



46.1819, 36.0186, 12.6891



37.2107, 36.0186, 8.3592



28.7874, 36.0186, 9.1702

# Triad

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



37.2107, 36.0186, 8.3592



20.7604, 36.0186, 58.1529



48.7956, 36.0186, 78.8871

# Complementary

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



37.2107, 36.0186, 8.3592



17.5391, 15.2673, 59.7798

# 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.



40.3289, 36.0186, 103.9509



37.2107, 36.0186, 8.3592



24.5490, 36.0186, 88.8721

# Square

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



37.2107, 36.0186, 8.3592



20.2141, 36.0186, 31.5006



31.4216, 36.0186, 108.2277



53.5835, 36.0186, 48.1032



# Rectangle

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



37.2107, 36.0186, 8.3592



24.5212, 36.0186, 12.7283



31.4216, 36.0186, 108.2277



46.2242, 36.0186, 88.7287

# Sweetspot

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



37.2115, 36.0204, 8.3599



81.4779, 85.2602, 66.1345



29.0620, 16.5704, 15.3574



17.1271, 17.8927, 13.2232



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.



37.2115, 36.0204, 8.3599



57.2448, 52.9332, 8.3017



41.8126, 53.8890, 11.5664



11.8182, 12.4253, 11.8549



21.1476, 19.0282, 2.5582



1.1598, 1.1192, 0.1549



# Inverse Universe

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



17.5391, 15.2673, 59.7798



23.6518, 17.7106, 96.7796



15.2575, 8.4827, 58.5905



10.9103, 11.4609, 14.2075



8.3083, 5.6406, 36.6071



0.4989, 0.4316, 1.9119



# Previews

## White Background



This preview shows how the XYZ color 37.2107, 36.0186, 8.3592 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 37.2107, 36.0186, 8.3592 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 37.2107, 36.0186, 8.3592**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2107, 36.0186, 8.3592.



This preview shows how white text looks on a background with the XYZ color 37.2107, 36.0186,



# 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

37.2107, 36.0186, 8.3592

### Protanopia

32.6902, 35.9499, 8.9575

### Deuteranopia

36.8268, 36.0648, 8.3884



## Tritanopia

42.8066, 35.9751, 35.2596

# Trichromacy



**Original Color**

37.2107, 36.0186, 8.3592

**Protanomaly**

34.3229, 36.0193, 8.7578

**Deuteranomaly**

37.1000, 36.2056, 8.4012

**Tritanomaly**

39.9391, 35.7071, 21.6168

# Monochromacy



**Original Color**

37.2107, 36.0186, 8.3592

**Achromatopsia**

32.0474, 33.7164, 36.7171

**Achromatomaly**

32.6738, 34.1075, 22.3141

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2107, 36.0186, 8.3592 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(205, 153, 53)` looks like.

```
.text, #text, p{  
    color:rgb(205, 153, 53)  
}
```

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(205, 153, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 153, 53) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2107, 36.0186, 8.3592 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(205, 153, 53) }
```



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

```
.border{ border-color:rgb(205, 153, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 153, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 153, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 153, 53);  
box-shadow:4px 4px 4px 4px rgb(205, 153,  
53) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2107, 36.0186, 8.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 153, 53) }
```

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

```
.background{ background-color: rgb(205,  
153, 53) }
```

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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