

# Converting Colors

XYZ(36.5067, 34.0435, 5.8095)

Have a look what the booklet for  
XYZ(36.5067, 34.0435, 5.8095)  
contains.

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# Color

**XYZ(36.5131, 34.0564,  
5.8115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0921D
RGB	208, 146, 29
RGB Percent	82%, 57%, 11%
CMY	0.1843, 0.4274, 0.8863
CMYK	0.00, 0.30, 0.86, 0.18
HSL	39°, 76%, 46%
HSV	39°, 86%, 82%
XYZ	36.5131, 34.0564, 5.8115
YIQ	151.2000, 74.5090, -23.2430

# Conversions

## Conversions Part 2

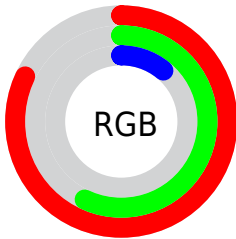
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 208, 29
Decimal	13668893
CIELab	65.01, 14.30, 64.37
CIELCh	65, 65.936, 77.470
Yxy	34.0564, 0.4780, 0.4459
Android (android.graphics.Color)	4291858973 (0xFFD0921D)
YUV	151.2000, -60.2446, 49.8136
Hunter-Lab	58.3579, 9.5569, 34.9462

# Details

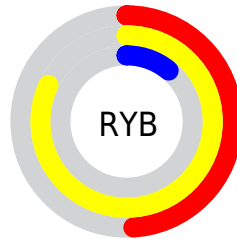
The XYZ color **36.5131, 34.0564, 5.8115** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **15.6329, 12.2973, 61.2237**, and the grayscale version is **29.7299, 31.2782, 34.0620**.

A 20% lighter version of the original color is **63.6146, 63.2567, 17.8737**, and **16.3956, 14.6616, 1.9658** is the 20% darker color. If you saturate the color by 10%, you get **35.2612, 31.8357, 4.5221**, and if you desaturate by 10%, it is **38.0094, 36.4896, 8.0355**.

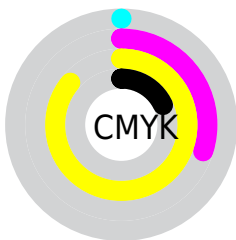
# Distribution



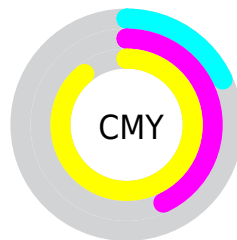
- Red (82%)
- Green (57%)
- Blue (11%)



- Red (49%)
- Yellow (82%)
- Blue (11%)



- Cyan (0%)
- Magenta (30%)
- Yellow (86%)
- Black (18%)




- Cyan (18%)
- Magenta (43%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5131, 34.0564, 5.8115 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 36.5131, 34.0564, 5.8115 by changing the saturation by 10% instead.





 36.5131, 34.0564,  
5.8115


 36.5131, 34.0564,  
5.8115


322.5899,  
320.3835, 166.6241


 25.0027, 22.9369,  
2.6639


 69.1420, 66.0214,  
18.0092

 16.2078, 14.5469,  
0.9252


 90.9912, 87.6357,  
27.8964


 9.7631, 8.5020,  
0.0000


 117.0173,  
113.5170, 40.8672

 5.3032, 4.4178,  
0.0000

 147.5858,  
144.0498, 57.3401

 2.4628, 1.9099,  
0.0000

 183.0619,  
179.6185, 77.7338

 0.8765, 0.5543,  
0.0000

 223.8111,

 0.0000, 0.0000,

220.6074, 102.4666

0.0000

270.1986,  
267.4009, 131.9572

■ 36.5131, 34.0564,  
5.8115

■ 36.5131, 34.0564,  
5.8115

■ 35.2612, 31.8357,  
4.5221

■ 38.0094, 36.4896,  
8.0355

■ 34.8108, 31.0069,  
4.1502

■ 39.7796, 39.1450,  
11.3542

■ 41.8502, 42.0364,  
15.8976

■ 44.2436, 45.1748,  
21.7769

■ 46.9794, 48.5698,  
29.0910

■ 50.0757, 52.2304,  
37.9290

■ 53.5492, 56.1651,  
48.3730

■ 57.4152, 60.3818,  
60.4989

■ 61.6883, 64.8880,  
74.3781

# Harmonies

## Analogous

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



46.4151, 34.0564, 10.2827



36.5131, 34.0564, 5.8115



27.1706, 34.0564, 6.1588

# Triad

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



36.5131, 34.0564, 5.8115



17.8393, 34.0564, 55.1882



47.8509, 34.0564, 85.1165

# Complementary

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



36.5131, 34.0564, 5.8115



15.6329, 12.2973, 61.2237

# 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.



38.1928, 34.0564, 113.1221



36.5131, 34.0564, 5.8115



21.4887, 34.0564, 90.8092

# Square

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



36.5131, 34.0564, 5.8115



17.5657, 34.0564, 26.8151



28.5520, 34.0564, 115.6047



53.7732, 34.0564, 49.6820



# Rectangle

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



36.5131, 34.0564, 5.8115



22.4463, 34.0564, 9.0668



28.5520, 34.0564, 115.6047



44.8560, 34.0564, 96.3317

# Sweetspot

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



36.5139, 34.0581, 5.8121



79.2599, 82.6554, 59.7502



28.3684, 15.0555, 11.4568



16.5835, 17.2467, 11.6820



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.



36.5139, 34.0581, 5.8121



55.0006, 48.7812, 6.5169



41.8689, 55.0421, 9.5802



12.4444, 13.0795, 12.4807



21.7894, 19.5119, 2.6177



1.2909, 1.2361, 0.1706



# Inverse Universe

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



15.6329, 12.2973, 61.2237



21.5659, 14.2517, 96.2220



13.4474, 6.2696, 60.1755



11.4937, 12.0777, 14.9691



8.6236, 5.8938, 37.8756



0.5556, 0.4763, 2.1422



# Previews

## White Background



This preview shows how the XYZ color 36.5131, 34.0564, 5.8115 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 36.5131, 34.0564, 5.8115 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 36.5131, 34.0564, 5.8115**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5131, 34.0564, 5.8115.



This preview shows how white text looks on a background with the XYZ color 36.5131, 34.0564,



# 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

36.5131, 34.0564, 5.8115

### Protanopia

31.0189, 34.3655, 6.3648

### Deuteranopia

34.9122, 34.1666, 5.7320



## Tritanopia

41.7240, 33.9798, 31.5538

# Trichromacy



## Original Color

36.5131, 34.0564, 5.8115

## Protanomaly

32.7892, 34.0289, 6.1364

## Deuteranomaly

35.5739, 34.2705, 5.7768

## Tritanomaly

38.9776, 33.7325, 17.2886

# Monochromacy



## Original Color

36.5131, 34.0564, 5.8115

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

30.4145, 31.3271, 18.3536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5131, 34.0564, 5.8115 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(208, 146, 29)` looks like.

```
.text, #text, p{  
    color:rgb(208, 146, 29)  
}
```

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(208, 146, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 146, 29) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5131, 34.0564, 5.8115 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(208, 146, 29) }
```



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

```
.border{ border-color:rgb(208, 146, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 146, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 146, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 146, 29);  
box-shadow:4px 4px 4px 4px rgb(208, 146,  
29) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5131, 34.0564, 5.8115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 146, 29) }
```

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

```
.background{ background-color: rgb(208,  
146, 29) }
```

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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