

# Converting Colors

XYZ(34.7204, 25.5818, 3.2514)

Have a look what the booklet for  
XYZ(34.7204, 25.5818, 3.2514)  
contains.

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# Color

**XYZ(34.6966, 25.5347,  
3.2436)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC6A05
RGB	220, 106, 5
RGB Percent	86%, 42%, 2%
CMY	0.1373, 0.5843, 0.9804
CMYK	0.00, 0.52, 0.98, 0.14
HSL	28°, 96%, 44%
HSV	28°, 98%, 86%
XYZ	34.6966, 25.5347, 3.2436
YIQ	128.5720, 100.3650, -7.2430

# Conversions

## Conversions Part 2

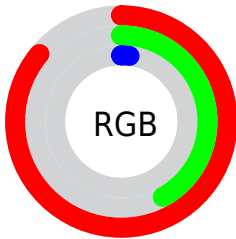
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">220, 195, 5</a>
Decimal	<a href="#">14445061</a>
<a href="#">CIELab</a>	<a href="#">57.59, 40.13, 64.88</a>
<a href="#">CIElCh</a>	<a href="#">58, 76.294, 58.262</a>
<a href="#">Yxy</a>	<a href="#">25.5347, 0.5466, 0.4023</a>
Android (android.graphics.Color)	<a href="#">4292635141</a> ( <a href="#">0xFFDC6A05</a> )
<a href="#">YUV</a>	<a href="#">128.5720, -60.9210, 80.1824</a>
<a href="#">Hunter-Lab</a>	<a href="#">50.5319, 34.1323, 31.5665</a>

# Details

The XYZ color **34.6966, 25.5347, 3.2436** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.5776, 18.3931, 70.2278**, and the grayscale version is **20.8993, 21.9877, 23.9446**.

A 20% lighter version of the original color is **54.7123, 46.4859, 11.7193**, and **15.4667, 10.0015, 1.1153** is the 20% darker color. If you saturate the color by 10%, you get **34.4003, 24.9862, 3.0097**, and if you desaturate by 10%, it is **36.1527, 28.1745, 4.5702**.

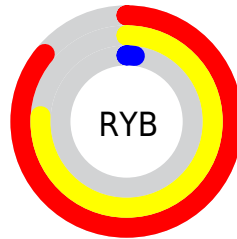
# Distribution



Red (86%)

Green (42%)

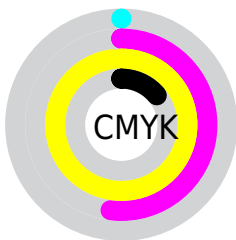
Blue (2%)



Red (86%)

Yellow (76%)

Blue (2%)

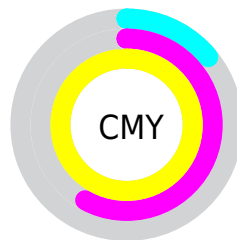


Cyan (0%)

Magenta (52%)

Yellow (98%)

Black (14%)



Cyan (14%)

Magenta (58%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6966, 25.5347, 3.2436 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 34.6966, 25.5347, 3.2436 by changing the saturation by 10% instead.




 34.6966, 25.5347,  
3.2436


 34.6966, 25.5347,  
3.2436


314.7586,  
280.4904, 139.4052

 23.5947, 16.4759,  
1.2203


 66.3526, 52.5233,  
12.2238

 15.1563, 9.8615,  
0.0000


 87.6374, 71.2219,  
20.0179

 9.0162, 5.3072,  
0.0000


 113.0472, 93.9026,  
30.5726

 4.8089, 2.4286,  
0.0000

 142.9474,  
120.9497, 44.3065

 2.1692, 0.8406,  
0.0000

 177.7032,  
152.7476, 61.6382


 0.7264, 0.0000,  
0.0000


 217.6801,


 0.0000, 0.0000,


189.6808, 82.9862


0.0000


 263.2435,  
232.1336, 108.7690


 34.6966, 25.5347,  
3.2436

 34.6966, 25.5347,  
3.2436


 34.4003, 24.9862,  
3.0097

 36.1527, 28.1745,  
4.5702

 37.9642, 31.2268,  
6.9330

 40.1776, 34.7208,  
10.5467

 42.8277, 38.6793,  
15.5663

 45.9446, 43.1230,  
22.1240

■ 49.5553, 48.0708,  
30.3364

■ 53.6843, 53.5404,  
40.3091

■ 58.3544, 59.5485,  
52.1383

■ 63.5869, 66.1110,  
65.9137

# Harmonies

## Analogous

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



43.1927, 25.5347, 10.1751



34.6966, 25.5347, 3.2436



24.8051, 25.5347, 1.7659

# Triad

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



34.6966, 25.5347, 3.2436



10.6369, 25.5347, 26.3091



33.5420, 25.5347, 99.5026

# Complementary

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



34.6966, 25.5347, 3.2436



19.5776, 18.3931, 70.2278

# 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.



23.7426, 25.5347, 114.0971



34.6966, 25.5347, 3.2436



11.8824, 25.5347, 58.9530

# Square

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



34.6966, 25.5347, 3.2436



12.2155, 25.5347, 8.8855



16.1743, 25.5347, 95.9853



42.4172, 25.5347, 63.4100



# Rectangle

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



34.6966, 25.5347, 3.2436



19.1857, 25.5347, 2.1951



16.1743, 25.5347, 95.9853



30.1814, 25.5347, 107.8011

# Sweetspot

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



34.6972, 25.5361, 3.2440



74.0879, 73.6028, 54.0449



32.9394, 16.6723, 19.1464



15.3177, 15.0414, 10.2543



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.



34.6972, 25.5361, 3.2440



47.9319, 34.6438, 4.1606



53.2945, 62.7308, 9.4431



13.5579, 14.0551, 13.7239



20.2990, 14.8835, 1.8029



1.4008, 1.1358, 0.1454



# Inverse Universe

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



19.5776, 18.3931, 70.2278



26.7426, 24.6051, 97.9475



13.1144, 5.4668, 68.0734



12.9074, 13.7545, 16.6267



11.4035, 10.6764, 41.1981



0.8248, 0.8637, 2.6977



# Previews

## White Background



This preview shows how the XYZ color 34.6966, 25.5347, 3.2436 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6966, 25.5347, 3.2436 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.6966, 25.5347, 3.2436**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6966, 25.5347, 3.2436.



This preview shows how white text looks on a background with the XYZ color 34.6966, 25.5347,



# 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

34.6966, 25.5347, 3.2436

### Protanopia

23.2635, 25.6838, 4.3932

### Deuteranopia

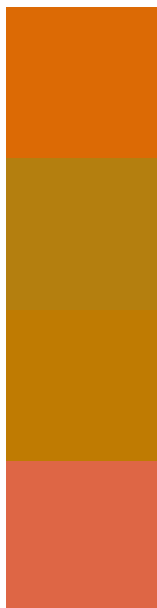
25.9305, 25.6165, 3.5778



## Tritanopia

37.4431, 25.6316, 16.3385

# Trichromacy



## Original Color

34.6966, 25.5347, 3.2436

## Protanomaly

26.4980, 24.9165, 3.8647

## Deuteranomaly

28.5798, 25.2467, 3.4242

## Tritanomaly

35.9497, 25.4620, 8.6501

# Monochromacy



## Original Color

34.6966, 25.5347, 3.2436

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

23.3379, 21.9962, 11.4032

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6966, 25.5347, 3.2436 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(220, 106, 5)` looks like.

```
.text, #text, p{  
    color:rgb(220, 106, 5)  
}
```

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(220, 106, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 106, 5) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6966, 25.5347, 3.2436 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(220, 106, 5) }
```



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

```
.border{ border-color:rgb(220, 106, 5) }
```

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

Here you see how a box with a 4 pixel rgb(220, 106, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 106, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 106, 5);  
box-shadow:4px 4px 4px 4px rgb(220, 106,  
5) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6966, 25.5347, 3.2436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 106, 5) }
```

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

```
.background{ background-color: rgb(220,  
106, 5) }
```

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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