

# Converting Colors

XYZ(31.4366, 24.0631, 7.6904)

Have a look what the booklet for  
XYZ(31.4366, 24.0631, 7.6904)  
contains.

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# Color

**XYZ(31.4366, 24.0631,  
7.6904)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD6C3F
RGB	205, 108, 63
RGB Percent	80%, 42%, 25%
CMY	0.1961, 0.5764, 0.7529
CMYK	0.00, 0.47, 0.69, 0.20
HSL	19°, 59%, 53%
HSV	19°, 69%, 80%
XYZ	31.4366, 24.0631, 7.6904
YIQ	131.8730, 72.2570, 6.5690

# Conversions

## Conversions Part 2

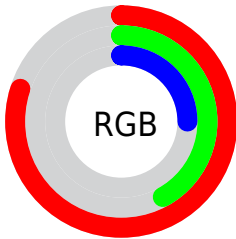
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 129, 63
Decimal	13462591
CIE Lab	56.15, 34.79, 41.73
CIE LCh	56, 54.325, 50.182
Yxy	24.0631, 0.4975, 0.3808
Android (android.graphics.Color)	4291652671 (0xFFCD6C3F)
YUV	131.8730, -33.9544, 64.1324
Hunter-Lab	49.0542, 28.5478, 25.0428

# Details

The XYZ color **31.4366, 24.0631, 7.6904** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.6393, 30.6044, 62.3132**, and the grayscale version is **21.9873, 23.1323, 25.1911**.

A 20% lighter version of the original color is **56.9095, 47.9196, 21.5792**, and **13.2763, 9.0803, 1.5049** is the 20% darker color. If you saturate the color by 10%, you get **29.6067, 21.1559, 4.7609**, and if you desaturate by 10%, it is **33.7181, 27.5326, 11.8227**.

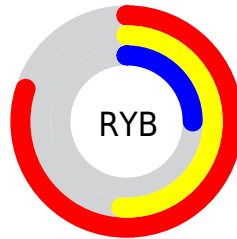
# Distribution



Red (80%)

Green (42%)

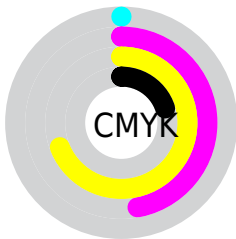
Blue (25%)



Red (80%)

Yellow (51%)

Blue (25%)

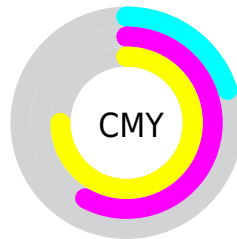


Cyan (0%)

Magenta (47%)

Yellow (69%)

Black (20%)



Cyan (20%)

Magenta (58%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4366, 24.0631, 7.6904 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 31.4366, 24.0631, 7.6904 by changing the saturation by 10% instead.





 31.4366, 24.0631,  
7.6904


 31.4366, 24.0631,  
7.6904


300.3358,  
273.1393, 183.1261


 21.0850, 15.3804,  
3.8126


 61.2980, 50.1332,  
21.8853

 13.2990, 9.0868,  
1.5231


 81.5385, 68.2893,  
33.0394

 7.7131, 4.7979,  
0.2350


 105.8059, 90.3721,  
47.4561

 3.9622, 2.1291,  
0.0000

 134.4658,  
116.7659, 65.5538

 1.6808, 0.6809,  
0.0000

 167.8833,  
147.8552, 87.7511

 0.4442, 0.0000,  
0.0000

 206.4239,

 0.0000, 0.0000,

184.0242, 114.4666

0.0000

250.4530,  
225.6575, 146.1187

■ 31.4366, 24.0631,  
7.6904

■ 31.4366, 24.0631,  
7.6904

■ 29.6067, 21.1559,  
4.7609

■ 33.7181, 27.5326,  
11.8227

■ 28.1902, 18.7744,  
2.8972

■ 36.4813, 31.5902,  
17.2718

■ 27.1330, 16.8785,  
1.8709

■ 39.7552, 36.2643,  
24.1398

■ 27.0654, 16.7565,  
1.8078

■ 43.5662, 41.5805,  
32.5183

■ 47.9383, 47.5626,  
42.4909

■ 52.8943, 54.2335,  
54.1353

■ 58.4557, 61.6145,  
67.5241

■ 64.6425, 69.7263,  
82.7254

■ 71.4742, 78.5886,  
99.8037

# Harmonies

## Analogous

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



36.0660, 24.0631, 16.0528



31.4366, 24.0631, 7.6904



24.9764, 24.0631, 4.8444

# Triad

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



31.4366, 24.0631, 7.6904



12.9775, 24.0631, 20.7726



27.2605, 24.0631, 73.4284

# Complementary

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



31.4366, 24.0631, 7.6904



25.6393, 30.6044, 62.3132

# 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.



20.8878, 24.0631, 76.6650



31.4366, 24.0631, 7.6904



13.3653, 24.0631, 39.9170

# Square

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



31.4366, 24.0631, 7.6904



14.8453, 24.0631, 9.7940



16.0229, 24.0631, 62.3975



33.3675, 24.0631, 54.9003



# Rectangle

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



31.4366, 24.0631, 7.6904



20.8172, 24.0631, 4.8567



16.0229, 24.0631, 62.3975



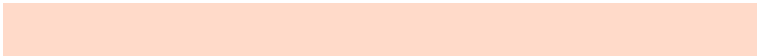
25.0561, 24.0631, 76.5874

# Sweetspot

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



31.4372, 24.0644, 7.6908



77.0166, 75.8602, 66.1196



33.3024, 19.0735, 35.1994



16.0471, 15.6401, 13.1491



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.



31.4372, 24.0644, 7.6908



47.3049, 32.6819, 6.1343



42.1873, 45.5647, 11.2742



11.4977, 11.7843, 11.7480



16.9254, 10.5838, 1.1508



0.9415, 0.6828, 0.0822



# Inverse Universe

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



25.6393, 30.6044, 62.3132



37.0271, 43.6735, 101.0860



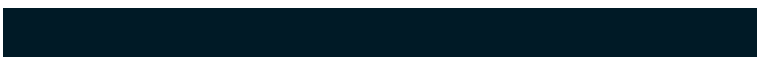
16.6446, 12.6151, 59.3150



11.2318, 12.1040, 14.3147



12.7894, 14.6028, 38.1008



0.7261, 0.8860, 1.9877



# Previews

## White Background



This preview shows how the XYZ color 31.4366, 24.0631, 7.6904 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 31.4366, 24.0631, 7.6904 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 31.4366, 24.0631, 7.6904**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.4366, 24.0631, 7.6904.



This preview shows how white text looks on a background with the XYZ color 31.4366, 24.0631,

7.6904.

# 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

31.4366, 24.0631, 7.6904

### Protanopia

22.2281, 24.1854, 9.6276

### Deuteranopia

24.7624, 24.3308, 7.3942



## Tritanopia

33.5783, 24.0384, 17.6220

# Trichromacy



## Original Color

31.4366, 24.0631, 7.6904

## Protanomaly

24.7700, 23.5319, 8.8668

## Deuteranomaly

26.7090, 23.8247, 7.4659

## Tritanomaly

32.6582, 23.9563, 13.2587

# Monochromacy



## Original Color

31.4366, 24.0631, 7.6904

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

24.0349, 22.5984, 17.0051

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.4366, 24.0631, 7.6904 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, 108, 63)` looks like.

```
.text, #text, p{  
    color:rgb(205, 108, 63)  
}
```

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, 108, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 108, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 31.4366, 24.0631, 7.6904 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, 108, 63) }
```



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

```
.border{ border-color:rgb(205, 108, 63) }
```

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

Here you see how a box with a 4 pixel rgb(205, 108, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 108, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 108, 63);  
box-shadow:4px 4px 4px 4px rgb(205, 108,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.4366, 24.0631, 7.6904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 108, 63) }
```

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

```
.background{ background-color: rgb(205,  
108, 63) }
```

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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