

# Converting Colors

XYZ(41.6821, 31.3105, 3.8724)

Have a look what the booklet for  
XYZ(41.6821, 31.3105, 3.8724)  
contains.

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# Color

**XYZ(41.5274, 31.2004,  
3.8623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED7701
RGB	237, 119, 1
RGB Percent	93%, 47%, 0%
CMY	0.0706, 0.5333, 0.9960
CMYK	0.00, 0.50, 1.00, 0.07
HSL	30°, 99%, 47%
HSV	30°, 100%, 93%
XYZ	41.5274, 31.2004, 3.8623
YIQ	140.8300, 108.2060, -11.6820

# Conversions

## Conversions Part 2

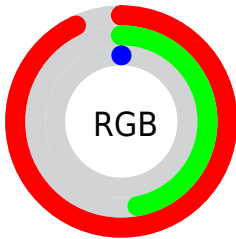
Format	Color
R <sub>YB</sub>	237, 237, 1
Decimal	15562497
CIE Lab	62.68, 40.28, 69.93
CIE LCh	63, 80.706, 60.059
Yxy	31.2004, 0.5422, 0.4074
Android (android.graphics.Color)	4293752577 (0xFFED7701)
YUV	140.8300, -68.9362, 84.3411
Hunter-Lab	55.8573, 34.9564, 35.0005

# Details

The XYZ color **41.5274, 31.2004, 3.8623** 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 **21.8955, 19.3148, 82.6943**, and the grayscale version is **25.4842, 26.8113, 29.1975**.

A 20% lighter version of the original color is **57.2891, 51.5893, 12.7326**, and **19.5227, 13.1329, 1.5059** is the 20% darker color. If you saturate the color by 10%, you get **41.4626, 31.0800, 3.8137**, and if you desaturate by 10%, it is **43.1943, 34.2677, 5.2411**.

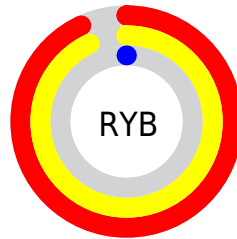
# Distribution



Red (93%)

Green (47%)

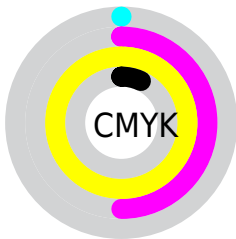
Blue (0%)



Red (93%)

Yellow (93%)

Blue (0%)

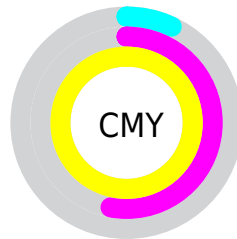


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (53%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5274, 31.2004, 3.8623 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 41.5274, 31.2004, 3.8623 by changing the saturation by 10% instead.




 41.5274, 31.2004,  
3.8623


 41.5274, 31.2004,  
3.8623


343.5451,  
307.4605, 146.6823


 28.9209, 20.7515,  
1.5501


 76.7535, 61.5554,  
13.6909


 19.1650, 12.9425,  
0.2548


 100.1039, 82.2304,  
22.0444

 11.8943, 7.3889,  
0.0000


 127.7662,  
107.0828, 33.2488

 6.7434, 3.7065,  
0.0000

 160.1059,  
136.4970, 47.7225

 3.3470, 1.5108,  
0.0000

 197.4882,  
170.8575, 65.8842

 1.3398, 0.2963,  
0.0000

 240.2787,


 0.2127, 0.0000,


210.5487, 88.1524


0.0000


 288.8425,  
255.9549, 114.9456


 0.0000, 0.0000,  
0.0000


 41.5274, 31.2004,  
3.8623


 41.5274, 31.2004,  
3.8623


 41.4626, 31.0800,  
3.8137

 43.1943, 34.2677,  
5.2411

 45.2453, 37.7783,  
7.7481

 47.7458, 41.7691,  
11.6954

 50.7375, 46.2658,  
17.2764

 54.2566, 51.2913,  
24.6541

■ 58.3349, 56.8666,  
33.9715

■ 63.0015, 63.0111,  
45.3570

■ 68.2830, 69.7432,  
58.9278

■ 74.2044, 77.0802,  
74.7924

# Harmonies

## Analogous

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



52.0138, 31.2004, 11.7521



41.5274, 31.2004, 3.8623



29.6334, 31.2004, 2.2574

# Triad

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



41.5274, 31.2004, 3.8623



13.1217, 31.2004, 34.0340



41.5744, 31.2004, 118.1175

# Complementary

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



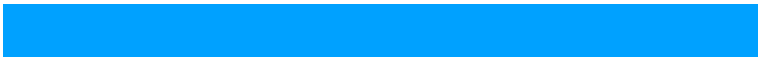
41.5274, 31.2004, 3.8623



21.8955, 19.3148, 82.6943

# 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.



29.6767, 31.2004, 137.8391



41.5274, 31.2004, 3.8623



14.8455, 31.2004, 74.2939

# Square

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



41.5274, 31.2004, 3.8623



14.8318, 31.2004, 11.8051



20.2931, 31.2004, 118.2600



52.0453, 31.2004, 74.1130



# Rectangle

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



41.5274, 31.2004, 3.8623



22.9699, 31.2004, 2.9161



20.2931, 31.2004, 118.2600



37.5257, 31.2004, 128.6926

# Sweetspot

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



41.5281, 31.2021, 3.8628



74.0749, 73.9920, 52.7609



38.2658, 19.3583, 19.1739



15.3408, 15.1655, 10.0218



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.



41.5281, 31.2021, 3.8628



48.8946, 36.5692, 4.4815



65.2143, 78.5745, 11.7582



15.6877, 16.2985, 15.8378



22.7686, 17.2315, 2.1260



1.8841, 1.5455, 0.1990



# Inverse Universe

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



21.8955, 19.3148, 82.6943



25.7036, 22.5273, 97.6012



15.3095, 6.1428, 80.4989



14.8534, 15.7933, 19.1878



12.0460, 10.7390, 45.1809



1.0421, 1.0357, 3.5799



# Previews

## White Background



This preview shows how the XYZ color 41.5274, 31.2004, 3.8623 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 41.5274, 31.2004, 3.8623 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 41.5274, 31.2004, 3.8623**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5274, 31.2004, 3.8623.



This preview shows how white text looks on a background with the XYZ color 41.5274, 31.2004,



# 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

41.5274, 31.2004, 3.8623

### Protanopia

28.3212, 31.4945, 5.2958

### Deuteranopia

31.7115, 31.1530, 4.3418



## Tritanopia

45.2301, 31.3777, 20.8121

# Trichromacy



## Original Color

41.5274, 31.2004, 3.8623

## Protanomaly

32.1098, 30.6836, 4.6456

## Deuteranomaly

34.6764, 30.7378, 4.1054

## Tritanomaly

43.2225, 31.0679, 10.3752

# Monochromacy



## Original Color

41.5274, 31.2004, 3.8623

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

28.1375, 26.7433, 13.3518

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5274, 31.2004, 3.8623 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(237, 119, 1)` looks like.

```
.text, #text, p{  
    color:rgb(237, 119, 1)  
}
```

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(237, 119, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 119, 1) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5274, 31.2004, 3.8623 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(237, 119, 1) }
```



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

```
.border{ border-color:rgb(237, 119, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 119, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 119, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 119, 1);  
box-shadow:4px 4px 4px 4px rgb(237, 119,  
1) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5274, 31.2004, 3.8623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 119, 1) }
```

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

```
.background{ background-color: rgb(237,  
119, 1) }
```

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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