

# Converting Colors

XYZ(41.6559, 32.8483, 8.7955)

Have a look what the booklet for  
XYZ(41.6559, 32.8483, 8.7955)  
contains.

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# Color

**XYZ(41.5714, 32.7861,  
8.8399)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7803F
RGB	231, 128, 63
RGB Percent	91%, 50%, 25%
CMY	0.0941, 0.4980, 0.7529
CMYK	0.00, 0.45, 0.73, 0.09
HSL	23°, 78%, 58%
HSV	23°, 73%, 91%
XYZ	41.5714, 32.7861, 8.8399
YIQ	151.3870, 82.2530, 1.6210

# Conversions

## Conversions Part 2

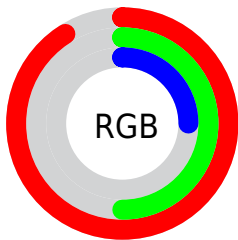
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	231, 169, 63
Decimal	15171647
CIE <sub>Lab</sub>	63.99, 34.77, 51.31
CIE <sub>LCh</sub>	64, 61.977, 55.879
Yxy	32.7861, 0.4997, 0.3941
Android (android.graphics.Color)	4293361727 (0xFFE7803F)
YUV	151.3870, -43.5748, 69.8206
Hunter-Lab	57.2591, 29.3914, 30.9280

# Details

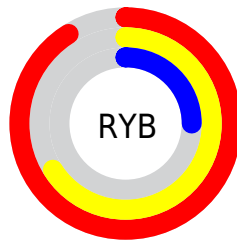
The XYZ color **41.5714, 32.7861, 8.8399** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **30.1090, 34.0968, 80.5954**, and the grayscale version is **29.7386, 31.2873, 34.0719**.

A 20% lighter version of the original color is **61.0052, 55.9308, 23.5000**, and **19.2807, 13.8735, 1.9201** is the 20% darker color. If you saturate the color by 10%, you get **39.3360, 29.1411, 5.5503**, and if you desaturate by 10%, it is **44.3367, 37.0585, 13.6418**.

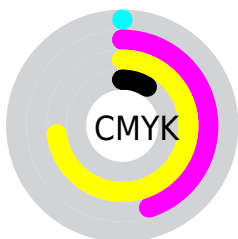
# Distribution



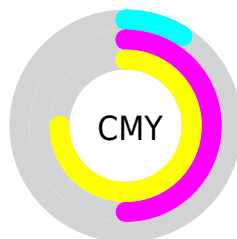
- Red (91%)
- Green (50%)
- Blue (25%)



- Red (91%)
- Yellow (66%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (9%)




- Cyan (9%)
- Magenta (50%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5714, 32.7861, 8.8399 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 41.5714, 32.7861, 8.8399 by changing the saturation by 10% instead.





 41.5714, 32.7861,  
8.8399


 41.5714, 32.7861,  
8.8399


343.7251,  
314.6848, 192.3529


 28.9555, 21.9626,  
4.5415


 76.8198, 64.0414,  
24.1621


 19.1913, 13.8294,  
1.9269


 100.1830, 85.2421,  
36.0229

 11.9134, 8.0021,  
0.5098


 127.8593,  
110.6706, 51.2417

 6.7565, 4.0963,  
0.0000

 160.2140,  
140.7114, 70.2369

 3.3553, 1.7276,  
0.0000

 197.6126,  
175.7488, 93.4271

 1.3443, 0.4414,  
0.0000

240.4205,

 0.2160, 0.0000,

216.1672, 121.2308

0.0000

289.0028,  
262.3511, 154.0665

■ 0.0000, 0.0000,  
0.0000

■ 41.5714, 32.7861,  
8.8399

■ 41.5714, 32.7861,  
8.8399

■ 39.3360, 29.1411,  
5.5503

■ 44.3367, 37.0585,  
13.6418

■ 37.5813, 26.0824,  
3.5759


■ 47.6700, 41.9852,  
20.1165


■ 36.5592, 24.1975,  
2.7437


■ 51.6075, 47.5972,  
28.4054

■ 56.1816, 53.9220,  
38.6344

■ 61.4221, 60.9852,  
50.9180

 67.3568, 68.8111,  
65.3619

 74.0117, 77.4227,  
82.0641

 81.4115, 86.8423,  
101.1169

 86.7648, 95.7288,  
108.5123

# Harmonies

## Analogous

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



48.8593, 32.7861, 18.5426



41.5714, 32.7861, 8.8399



32.3855, 32.7861, 5.9966

# Triad

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



41.5714, 32.7861, 8.8399



17.2262, 32.7861, 32.3504



39.0878, 32.7861, 98.8691

# Complementary

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



41.5714, 32.7861, 8.8399



30.1090, 34.0968, 80.5954

# 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.



29.9701, 32.7861, 108.4353



41.5714, 32.7861, 8.8399



18.3559, 32.7861, 61.0954

# Square

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



41.5714, 32.7861, 8.8399



19.2176, 32.7861, 14.9349



22.6541, 32.7861, 92.2039



47.2475, 32.7861, 70.0734



# Rectangle

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



41.5714, 32.7861, 8.8399



26.7866, 32.7861, 6.5331



22.6541, 32.7861, 92.2039



35.9901, 32.7861, 104.8838

# Sweetspot

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



41.5721, 32.7878, 8.8405



77.2901, 76.8846, 64.7386



41.6706, 23.3193, 38.6706



16.1394, 15.9173, 12.8939



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.



41.5721, 32.7878, 8.8405



48.1125, 34.5625, 5.5853



57.2458, 64.1352, 14.0650



14.8320, 15.2778, 15.0716



20.6074, 13.7889, 1.5754



1.6107, 1.1948, 0.1457



# Inverse Universe

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



30.1090, 34.0968, 80.5954



32.8993, 35.9804, 99.8187



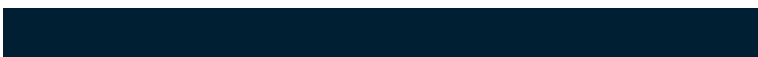
19.5366, 12.9520, 77.0713



14.3147, 15.3508, 18.3529



13.6010, 14.2640, 44.4196



1.0945, 1.2329, 3.3123



# Previews

## White Background



This preview shows how the XYZ color 41.5714, 32.7861, 8.8399 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 41.5714, 32.7861, 8.8399 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 41.5714, 32.7861, 8.8399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5714, 32.7861, 8.8399.



This preview shows how white text looks on a background with the XYZ color 41.5714, 32.7861,

8.8399.

# 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

41.5714, 32.7861, 8.8399

### Protanopia

30.2594, 33.1161, 10.7584

### Deuteranopia

33.6018, 32.9546, 8.5929



## Tritanopia

45.0608, 32.9219, 24.7485

# Trichromacy



## Original Color

41.5714, 32.7861, 8.8399

## Protanomaly

33.5704, 32.4445, 9.9619

## Deuteranomaly

36.0726, 32.6414, 8.6742

## Tritanomaly

43.6891, 32.9276, 17.4176

# Monochromacy



## Original Color

41.5714, 32.7861, 8.8399

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

31.9746, 30.6801, 21.6894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5714, 32.7861, 8.8399 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(231, 128, 63)` looks like.

```
.text, #text, p{  
    color:rgb(231, 128, 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(231, 128, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 128, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5714, 32.7861, 8.8399 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(231, 128, 63) }
```



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

```
.border{ border-color:rgb(231, 128, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 128, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 128, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 128, 63);  
box-shadow:4px 4px 4px 4px rgb(231, 128,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5714, 32.7861, 8.8399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 128, 63) }
```

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

```
.background{ background-color: rgb(231,  
128, 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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