

# Converting Colors

XYZ(43.3617, 38.2286, 6.0417)

Have a look what the booklet for  
XYZ(43.3617, 38.2286, 6.0417)  
contains.

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# Color

**XYZ(43.2470, 38.2275,  
6.0766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5951A
RGB	229, 149, 26
RGB Percent	90%, 58%, 10%
CMY	0.1020, 0.4157, 0.8980
CMYK	0.00, 0.35, 0.89, 0.10
HSL	36°, 80%, 50%
HSV	36°, 89%, 90%
XYZ	43.2470, 38.2275, 6.0766
YIQ	158.8980, 87.1630, -21.2930

# Conversions

## Conversions Part 2

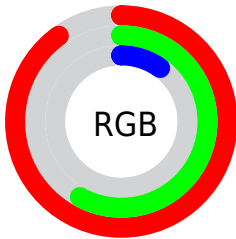
Format	Color
<a href="#">RYB</a>	<a href="#">158, 229, 26</a>
Decimal	<a href="#">15045914</a>
CIELab	<a href="#">68.19, 21.69, 68.72</a>
CIElCh	<a href="#">68, 72.064, 72.482</a>
Yxy	<a href="#">38.2275, 0.4940, 0.4366</a>
Android (android.graphics.Color)	<a href="#">4293235994</a> (0xFFE5951A)
YUV	<a href="#">158.8980, -65.5187, 61.4795</a>
Hunter-Lab	<a href="#">61.8284, 16.6554, 37.4528</a>

# Details

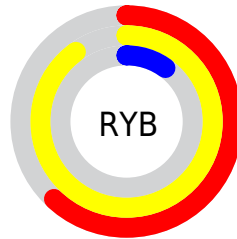
The XYZ color **43.2470, 38.2275, 6.0766** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **19.7229, 16.1848, 76.2126**, and the grayscale version is **33.1715, 34.8990, 38.0050**.

A 20% lighter version of the original color is **64.2757, 64.6438, 17.8939**, and **20.5161, 17.0602, 2.2116** is the 20% darker color. If you saturate the color by 10%, you get **41.7054, 35.4157, 4.7270**, and if you desaturate by 10%, it is **45.0973, 41.3430, 8.4986**.

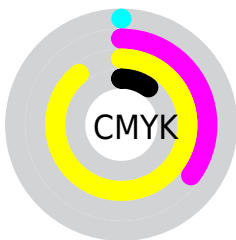
# Distribution



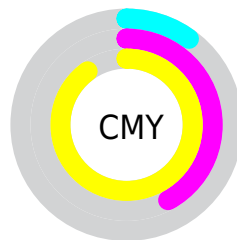
- Red (90%)
- Green (58%)
- Blue (10%)



- Red (62%)
- Yellow (90%)
- Blue (10%)



- Cyan (0%)
- Magenta (35%)
- Yellow (89%)
- Black (10%)




- Cyan (10%)
- Magenta (42%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2470, 38.2275, 6.0766 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 43.2470, 38.2275, 6.0766 by changing the saturation by 10% instead.





 43.2470, 38.2275,  
6.0766


 43.2470, 38.2275,  
6.0766


350.5309,  
338.5949, 169.0826

 30.2743, 26.1593,  
2.8222


 79.3368, 72.4567,  
18.5701


 20.1960, 16.9429,  
1.0046


 103.1847, 95.3865,  
28.6462

 12.6467, 10.1938,  
0.0000


 131.3884,  
122.7056, 41.8333

 7.2610, 5.5276,  
0.0000

 164.3132,  
154.7985, 58.5500

 3.6737, 2.5600,  
0.0000

 202.3245,  
192.0494, 79.2147

 1.5192, 0.9066,  
0.0000

 245.7876,

 0.3389, 0.0000,

234.8429, 104.2460

0.0000

295.0680,  
283.5632, 134.0625

■ 0.0000, 0.0000,  
0.0000

■ 43.2470, 38.2275,  
6.0766

■ 43.2470, 38.2275,  
6.0766

■ 41.7054, 35.4157,  
4.7270

■ 45.0973, 41.3430,  
8.4986

■ 41.5105, 35.0531,  
4.5781

■ 47.3050, 44.7808,  
12.2482

■ 49.9059, 48.5604,  
17.4995

■ 52.9300, 52.6976,  
24.3992

■ 56.4040, 57.2065,  
33.0764

■ 60.3518, 62.1002,  
43.6472

■ 64.7957, 67.3908,  
56.2179

■ 69.7562, 73.0898,  
70.8868

■ 75.2525, 79.2082,  
87.7455

# Harmonies

## Analogous

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



54.7504, 38.2275, 12.2241



43.2470, 38.2275, 6.0766



31.8534, 38.2275, 5.6941

# Triad

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



43.2470, 38.2275, 6.0766



19.0322, 38.2275, 56.5118



53.0018, 38.2275, 106.1263

# Complementary

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



43.2470, 38.2275, 6.0766



19.7229, 16.1848, 76.2126

# 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.



41.2164, 38.2275, 136.2337



43.2470, 38.2275, 6.0766



22.5939, 38.2275, 99.0994

# Square

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



43.2470, 38.2275, 6.0766



19.3539, 38.2275, 25.6125



30.2001, 38.2275, 133.1497



61.1329, 38.2275, 63.2111



# Rectangle

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



43.2470, 38.2275, 6.0766



25.9048, 38.2275, 8.1716



30.2001, 38.2275, 133.1497



49.2430, 38.2275, 118.8782

# Sweetspot

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



43.2479, 38.2295, 6.0773



77.8261, 80.2260, 57.9213



35.3470, 18.4628, 15.6669



16.2657, 16.6949, 11.3178



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.



43.2479, 38.2295, 6.0773



52.8804, 44.5409, 5.8101



54.4153, 69.6243, 11.5485



15.1000, 15.8139, 15.1610



23.8544, 20.2829, 2.6577



1.8527, 1.6787, 0.2264



# Inverse Universe

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



19.7229, 16.1848, 76.2126



22.6540, 16.4281, 96.5847



15.6528, 6.9842, 74.6512



14.0464, 14.8142, 18.2634



10.2977, 7.6576, 43.3185



0.8494, 0.7428, 3.2306



# Previews

## White Background



This preview shows how the XYZ color 43.2470, 38.2275, 6.0766 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 43.2470, 38.2275, 6.0766 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 43.2470, 38.2275, 6.0766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2470, 38.2275, 6.0766.



This preview shows how white text looks on a background with the XYZ color 43.2470, 38.2275,



# 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

43.2470, 38.2275, 6.0766

### Protanopia

34.8051, 38.4277, 6.8792

### Deuteranopia

39.2000, 38.3463, 5.9078



## Tritanopia

48.9184, 38.2973, 33.2476

# Trichromacy



## Original Color

43.2470, 38.2275, 6.0766

## Protanomaly

37.4212, 37.9268, 6.5107

## Deuteranomaly

40.7701, 38.4023, 5.9730

## Tritanomaly

45.9254, 37.9680, 18.0047

# Monochromacy



## Original Color

43.2470, 38.2275, 6.0766

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.3578, 34.7807, 19.9414

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2470, 38.2275, 6.0766 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(229, 149, 26)` looks like.

```
.text, #text, p{  
    color:rgb(229, 149, 26)  
}
```

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(229, 149, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 149, 26) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2470, 38.2275, 6.0766 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(229, 149, 26) }
```



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

```
.border{ border-color:rgb(229, 149, 26) }
```

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

Here you see how a box with a 4 pixel rgb(229, 149, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 149, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 149, 26);  
box-shadow:4px 4px 4px 4px rgb(229, 149,  
26) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2470, 38.2275, 6.0766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 149, 26) }
```

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

```
.background{ background-color: rgb(229,  
149, 26) }
```

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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