

# Converting Colors

XYZ(43.1304, 35.9159, 9.1816)

Have a look what the booklet for  
XYZ(43.1304, 35.9159, 9.1816)  
contains.

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# **Color**

**XYZ(43.0571, 35.8020,  
9.1985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E78B3E
RGB	231, 139, 62
RGB Percent	91%, 55%, 24%
CMY	0.0941, 0.4549, 0.7569
CMYK	0.00, 0.40, 0.73, 0.09
HSL	27°, 78%, 57%
HSV	27°, 73%, 91%
XYZ	43.0571, 35.8020, 9.1985
YIQ	157.7300, 79.5490, -4.4430

# Conversions

## Conversions Part 2

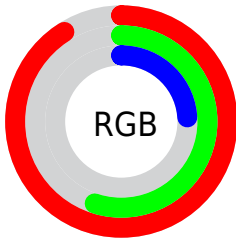
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 203, 62
Decimal	15174462
CIE Lab	66.37, 28.97, 54.26
CIE LCh	66, 61.507, 61.900
Yxy	35.8020, 0.4890, 0.4066
Android (android.graphics.Color)	4293364542 (0xFFE78B3E)
YUV	157.7300, -47.1949, 64.2578
Hunter-Lab	59.8348, 23.7377, 32.7696

# Details

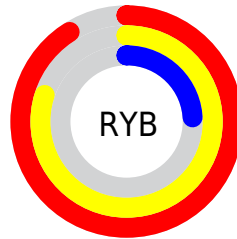
The XYZ color **43.0571, 35.8020, 9.1985** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.9651, 29.9030, 79.8986**, and the grayscale version is **32.5598, 34.2554, 37.3042**.

A 20% lighter version of the original color is **63.2906, 60.5922, 23.9825**, and **20.0892, 15.5343, 2.0545** is the 20% darker color. If you saturate the color by 10%, you get **40.8356, 32.1672, 5.9676**, and if you desaturate by 10%, it is **45.7589, 39.9671, 13.9182**.

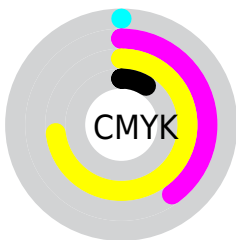
# Distribution



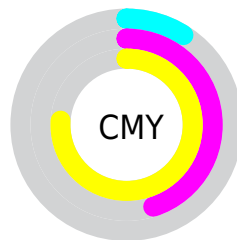
- Red (91%)
- Green (55%)
- Blue (24%)



- Red (91%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (73%)
- Black (9%)




- Cyan (9%)
- Magenta (45%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0571, 35.8020, 9.1985 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 43.0571, 35.8020, 9.1985 by changing the saturation by 10% instead.





 43.0571, 35.8020,  
9.1985


 43.0571, 35.8020,  
9.1985


349.7641,  
328.0943, 195.1241

 30.1246, 24.2813,  
4.7723


 79.0522, 68.7263,  
24.8604

 20.0818, 15.5424,  
2.0579


 102.8455, 90.8988,  
36.9333


 12.5631, 9.2010,  
0.5905


 130.9899,  
117.3906, 52.3920

 7.2033, 4.8725,  
0.0000

 163.8506,  
148.5862, 71.6553

 3.6370, 2.1726,  
0.0000

 201.7930,  
184.8700, 95.1416

 1.4989, 0.7050,  
0.0000

245.1825,

 0.3251, 0.0000,

226.6264, 123.2695

0.0000

294.3844,  
274.2396, 156.4575

■ 0.0000, 0.0000,  
0.0000

■ 43.0571, 35.8020,  
9.1985

■ 43.0571, 35.8020,  
9.1985

■ 40.8356, 32.1672,  
5.9676

■ 45.7589, 39.9671,  
13.9182

■ 39.0481, 29.0283,  
4.0275


■ 48.9756, 44.6824,  
20.2870


■ 38.0325, 27.1443,  
3.2348


■ 52.7408, 49.9733,  
28.4462


■ 57.0840, 55.8614,  
38.5212

■ 62.0326, 62.3671,  
50.6262

 67.6118, 69.5096,  
64.8661

 73.8452, 77.3072,  
81.3386

 80.7553, 85.7774,  
100.1355

 85.8702, 93.9397,  
108.2141

# Harmonies

## Analogous

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



51.3599, 35.8020, 17.8752



43.0571, 35.8020, 9.1985



33.4457, 35.8020, 7.1108

# Triad

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



43.0571, 35.8020, 9.1985



19.2367, 35.8020, 40.6859



44.2562, 35.8020, 99.7321

# Complementary

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



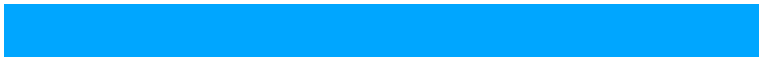
43.0571, 35.8020, 9.1985



27.9651, 29.9030, 79.8986

# 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.



34.6185, 35.8020, 114.6796



43.0571, 35.8020, 9.1985



21.1142, 35.8020, 72.3412

# Square

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



43.0571, 35.8020, 9.1985



20.6904, 35.8020, 19.6612



26.3598, 35.8020, 102.9066



52.1354, 35.8020, 68.0369



# Rectangle

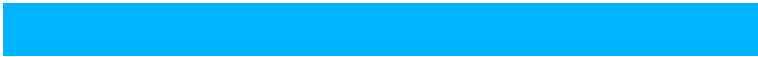
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.0571, 35.8020, 9.1985



27.8492, 35.8020, 8.3425



26.3598, 35.8020, 102.9066



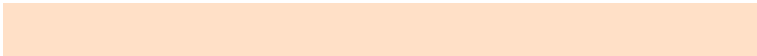
41.0607, 35.8020, 107.3924

# Sweetspot

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



43.0579, 35.8039, 9.1992



78.3173, 78.9391, 65.0810



40.5897, 22.7991, 33.2499



16.3805, 16.3996, 12.9743



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.



43.0579, 35.8039, 9.1992



49.8490, 38.0908, 5.9938



60.0917, 69.8715, 14.8771



14.9152, 15.4444, 15.0994



21.4424, 15.4590, 1.8537



1.6764, 1.3261, 0.1676



# Inverse Universe

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



27.9651, 29.9030, 79.8986



29.9535, 30.2059, 98.8594



18.6290, 11.2307, 76.7866



14.2297, 15.1808, 18.3245



12.3761, 11.8144, 44.0113



1.0072, 1.0583, 3.2831



# Previews

## White Background



This preview shows how the XYZ color 43.0571, 35.8020, 9.1985 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 43.0571, 35.8020, 9.1985 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 43.0571, 35.8020, 9.1985**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0571, 35.8020, 9.1985.



This preview shows how white text looks on a background with the XYZ color 43.0571, 35.8020,



# 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

43.0571, 35.8020, 9.1985

### Protanopia

32.8169, 35.9736, 10.8442

### Deuteranopia

36.6764, 35.9732, 9.0135



## Tritanopia

47.1109, 35.7882, 29.2357

# Trichromacy



## Original Color

43.0571, 35.8020, 9.1985

## Protanomaly

36.0922, 35.6467, 10.1325

## Deuteranomaly

38.9774, 35.9568, 9.0237

## Tritanomaly

45.3814, 35.7125, 19.8306

# Monochromacy



## Original Color

43.0571, 35.8020, 9.1985

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

34.6493, 33.8776, 23.4517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0571, 35.8020, 9.1985 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, 139, 62)` looks like.

```
.text, #text, p{  
    color:rgb(231, 139, 62)  
}
```

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, 139, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 139, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0571, 35.8020, 9.1985 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, 139, 62) }
```



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

```
.border{ border-color:rgb(231, 139, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 139, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 139, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 139, 62);  
box-shadow:4px 4px 4px 4px rgb(231, 139,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0571, 35.8020, 9.1985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 139, 62) }
```

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

```
.background{ background-color: rgb(231,  
139, 62) }
```

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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