

# Converting Colors

XYZ(43.5153, 34.2825, 7.1908)

Have a look what the booklet for  
XYZ(43.5153, 34.2825, 7.1908)  
contains.

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# Color

**XYZ(43.4621, 34.1915,  
7.2147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED8231
RGB	237, 130, 49
RGB Percent	93%, 51%, 19%
CMY	0.0706, 0.4902, 0.8078
CMYK	0.00, 0.45, 0.79, 0.07
HSL	26°, 84%, 56%
HSV	26°, 79%, 93%
XYZ	43.4621, 34.1915, 7.2147
YIQ	152.7590, 89.7730, -2.5070

# Conversions

## Conversions Part 2

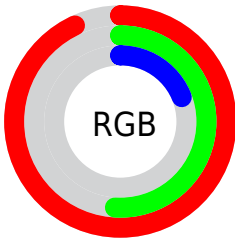
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	237, 191, 49
Decimal	15565361
CIE Lab	65.11, 35.58, 58.92
CIE LCh	65, 68.829, 58.877
Yxy	34.1915, 0.5121, 0.4029
Android (android.graphics.Color)	4293755441 (0xFFED8231)
YUV	152.7590, -51.1532, 73.8794
Hunter-Lab	58.4735, 30.3466, 33.6160

# Details

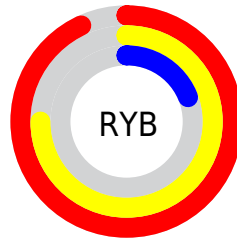
The XYZ color **43.4621, 34.1915, 7.2147** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.4405, 30.5429, 84.5167**, and the grayscale version is **30.3625, 31.9437, 34.7867**.

A 20% lighter version of the original color is **60.7295, 56.4806, 20.0130**, and **20.4752, 14.7059, 1.7594** is the 20% darker color. If you saturate the color by 10%, you get **41.4090, 30.6867, 4.6776**, and if you desaturate by 10%, it is **46.0146, 38.2754, 11.2145**.

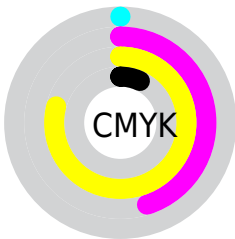
# Distribution



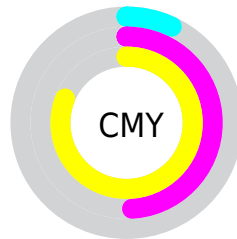
- Red (93%)
- Green (51%)
- Blue (19%)



- Red (93%)
- Yellow (75%)
- Blue (19%)



- Cyan (0%)
- Magenta (45%)
- Yellow (79%)
- Black (7%)




- Cyan (7%)
- Magenta (49%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4621, 34.1915, 7.2147 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 43.4621, 34.1915, 7.2147 by changing the saturation by 10% instead.





 43.4621, 34.1915,  
7.2147


 43.4621, 34.1915,  
7.2147


351.3981,  
320.9851, 179.1340


 30.4439, 23.0408,  
3.5163


 79.6591, 66.2314,  
20.9240

 20.3255, 14.6236,  
1.3639


 103.5686, 87.8893,  
31.7720


 12.7415, 8.5557,  
0.1133


 131.8394,  
113.8183, 45.8402

 7.3266, 4.4525,  
0.0000

 164.8366,  
144.4030, 63.5472

 3.7153, 1.9298,  
0.0000

 202.9258,  
180.0276, 85.3116

 1.5424, 0.5662,  
0.0000

 246.4722,

 0.3544, 0.0000,

221.0765, 111.5518

0.0000

295.8412,  
267.9342, 142.6864

■ 0.0000, 0.0000,  
0.0000

■ 43.4621, 34.1915,  
7.2147

■ 43.4621, 34.1915,  
7.2147

■ 41.4090, 30.6867,  
4.6776

■ 46.0146, 38.2754,  
11.2145

■ 39.7870, 27.7146,  
3.2985

■ 49.1089, 42.9647,  
16.8686

■ 39.6879, 27.5304,  
3.2221

■ 52.7845, 48.2895,  
24.3408

■ 57.0759, 54.2761,  
33.7748

■ 62.0145, 60.9491,  
45.2993

67.6295, 68.3315,  
59.0321

73.9478, 76.4451,  
75.0824

80.9951, 85.3107,  
93.5517

87.5971, 94.4690,  
108.2252

# Harmonies

## Analogous

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



52.3680, 34.1915, 16.4932



43.4621, 34.1915, 7.2147



32.8758, 34.1915, 4.8789

# Triad

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



43.4621, 34.1915, 7.2147



16.8380, 34.1915, 36.1614



42.6757, 34.1915, 109.0836

# Complementary

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



43.4621, 34.1915, 7.2147



28.4405, 30.5429, 84.5167

# 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.



32.1231, 34.1915, 123.6615



43.4621, 34.1915, 7.2147



18.4223, 34.1915, 70.5821

# Square

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



43.4621, 34.1915, 7.2147



18.6813, 34.1915, 15.4320



23.5528, 34.1915, 106.8917



51.8524, 34.1915, 73.4804



# Rectangle

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



43.4621, 34.1915, 7.2147



26.6757, 34.1915, 5.6790



23.5528, 34.1915, 106.8917



39.1113, 34.1915, 117.2191

# Sweetspot

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



43.4629, 34.1933, 7.2153



76.5930, 76.4217, 61.6352



42.2525, 22.6930, 34.8031



15.8962, 15.7001, 11.9830



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.



43.4629, 34.1933, 7.2153



47.6876, 34.0415, 4.4296



61.4238, 70.1152, 13.2023



15.5992, 16.1214, 15.8083



21.7929, 15.2801, 1.8007



1.8051, 1.3876, 0.1727



# Inverse Universe

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



28.4405, 30.5429, 84.5167



29.2178, 29.3145, 98.7261



18.4241, 10.5102, 81.1779



14.9428, 15.9720, 19.2176



13.1998, 13.0465, 45.5655



1.1318, 1.2150, 3.6097



# Previews

## White Background



This preview shows how the XYZ color 43.4621, 34.1915, 7.2147 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 43.4621, 34.1915, 7.2147 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 43.4621, 34.1915, 7.2147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4621, 34.1915, 7.2147.



This preview shows how white text looks on a background with the XYZ color 43.4621, 34.1915,



# 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

43.4621, 34.1915, 7.2147

### Protanopia

31.2681, 34.4388, 8.8702

### Deuteranopia

34.8775, 34.1220, 6.9384



## Tritanopia

47.2644, 34.2315, 25.2353

# Trichromacy



## Original Color

43.4621, 34.1915, 7.2147

## Protanomaly

34.8089, 33.5883, 8.1386

## Deuteranomaly

37.7367, 33.9805, 7.0526

## Tritanomaly

45.6178, 34.1321, 16.4957

# Monochromacy



## Original Color

43.4621, 34.1915, 7.2147

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

32.9871, 31.6789, 20.5957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4621, 34.1915, 7.2147 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, 130, 49)` looks like.

```
.text, #text, p{  
    color:rgb(237, 130, 49)  
}
```

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, 130, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 130, 49) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4621, 34.1915, 7.2147 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, 130, 49) }
```



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

```
.border{ border-color:rgb(237, 130, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 130, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 130, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 130, 49);  
box-shadow:4px 4px 4px 4px rgb(237, 130,  
49) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4621, 34.1915, 7.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 130, 49) }
```

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

```
.background{ background-color: rgb(237,  
130, 49) }
```

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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