

# Converting Colors

XYZ(42.1918, 36.6014, 7.3591)

Have a look what the booklet for  
XYZ(42.1918, 36.6014, 7.3591)  
contains.

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# Color

**XYZ(42.1255, 36.4669,  
7.3012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3902D
RGB	227, 144, 45
RGB Percent	89%, 56%, 18%
CMY	0.1098, 0.4353, 0.8235
CMYK	0.00, 0.37, 0.80, 0.11
HSL	33°, 76%, 53%
HSV	33°, 80%, 89%
XYZ	42.1255, 36.4669, 7.3012
YIQ	157.5310, 81.2470, -13.1930

# Conversions

## Conversions Part 2

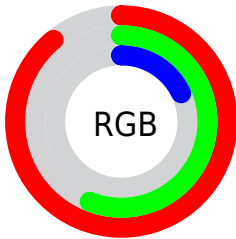
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 227, 45
Decimal	14913581
CIE Lab	66.88, 24.00, 61.63
CIE LCh	67, 66.141, 68.727
Yxy	36.4669, 0.4904, 0.4246
Android (android.graphics.Color)	4293103661 (0xFFE3902D)
YUV	157.5310, -55.4778, 60.9243
Hunter-Lab	60.3878, 18.8398, 35.1030

# Details

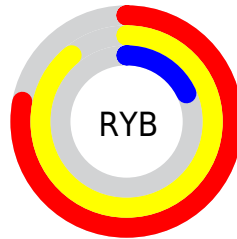
The XYZ color **42.1255, 36.4669, 7.3012** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **22.6661, 21.5414, 75.6358**, and the grayscale version is **32.5054, 34.1982, 37.2418**.

A 20% lighter version of the original color is **63.6862, 62.5490, 20.5209**, and **19.6402, 15.9357, 2.0407** is the 20% darker color. If you saturate the color by 10%, you get **40.3036, 33.3449, 5.0865**, and if you desaturate by 10%, it is **44.3275, 39.9741, 10.8010**.

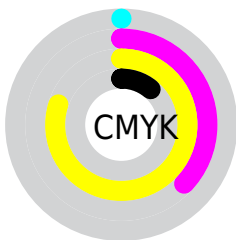
# Distribution



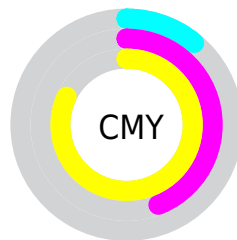
- Red (89%)
- Green (56%)
- Blue (18%)



- Red (78%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (37%)
- Yellow (80%)
- Black (11%)




- Cyan (11%)
- Magenta (44%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1255, 36.4669, 7.3012 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 42.1255, 36.4669, 7.3012 by changing the saturation by 10% instead.





 42.1255, 36.4669,  
7.3012


 42.1255, 36.4669,  
7.3012


345.9857,  
330.9967, 179.8683


 29.3911, 24.7950,  
3.5699


 77.6535, 69.7521,  
21.0997


 19.5227, 15.9244,  
1.3925


 101.1778, 92.1342,  
32.0040

 12.1548, 9.4707,  
0.1358


 129.0295,  
118.8552, 46.1364

 6.9221, 5.0494,  
0.0000

 161.5739,  
150.2994, 63.9154

 3.4593, 2.2763,  
0.0000

 199.1764,  
186.8513, 85.7595

 1.4011, 0.7611,  
0.0000

 242.2022,

 0.2570, 0.0000,

228.8952, 112.0874

0.0000

291.0169,  
276.8155, 143.3174

■ 0.0000, 0.0000,  
0.0000

■ 42.1255, 36.4669,  
7.3012

■ 42.1255, 36.4669,  
7.3012

■ 40.3036, 33.3449,  
5.0865

■ 44.3275, 39.9741,  
10.8010


■ 38.8215, 30.6171,  
3.8636


■ 46.9438, 43.8815,  
15.7589


■ 50.0067, 48.2091,  
22.3230


■ 53.5437, 52.9736,  
30.6222

■ 57.5801, 58.1903,  
40.7724

 62.1389, 63.8736,  
52.8793

 67.2415, 70.0372,  
67.0404

 72.9082, 76.6940,  
83.3469

 79.1580, 83.8562,  
101.8843

# Harmonies

## Analogous

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



51.9545, 36.4669, 14.2359



42.1255, 36.4669, 7.3012



31.8207, 36.4669, 6.3385

# Triad

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



42.1255, 36.4669, 7.3012



18.9010, 36.4669, 48.6740



48.1547, 36.4669, 100.1251

# Complementary

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



42.1255, 36.4669, 7.3012



22.6661, 21.5414, 75.6358

# 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.



37.6648, 36.4669, 122.9451



42.1255, 36.4669, 7.3012



21.7060, 36.4669, 85.1558

# Square

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



42.1255, 36.4669, 7.3012



19.6371, 36.4669, 22.8730



28.1343, 36.4669, 116.4384



55.8753, 36.4669, 63.2586



# Rectangle

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



42.1255, 36.4669, 7.3012



26.2061, 36.4669, 8.3254



28.1343, 36.4669, 116.4384



44.7624, 36.4669, 110.3409

# Sweetspot

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



42.1263, 36.4688, 7.3019



78.4494, 80.1345, 62.2540



36.6418, 19.8178, 22.9902



16.3401, 16.5879, 12.1310



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.



42.1263, 36.4688, 7.3019



51.1736, 41.0378, 5.5168



57.7410, 70.4889, 13.0454



15.0234, 15.6607, 15.1354



22.7591, 18.0924, 2.2926



1.7744, 1.5222, 0.2003



# Inverse Universe

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



22.6661, 21.5414, 75.6358



25.1167, 21.1638, 97.3690



16.1723, 8.1287, 73.3892



14.1215, 14.9645, 18.2885



11.0583, 9.1788, 43.5720



0.9091, 0.8621, 3.2504



# Previews

## White Background



This preview shows how the XYZ color 42.1255, 36.4669, 7.3012 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 42.1255, 36.4669, 7.3012 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 42.1255, 36.4669, 7.3012**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1255, 36.4669, 7.3012.



This preview shows how white text looks on a background with the XYZ color 42.1255, 36.4669,



# 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

42.1255, 36.4669, 7.3012

### Protanopia

33.2014, 36.4920, 8.3114

### Deuteranopia

37.2812, 36.5750, 7.1022



## Tritanopia

46.9767, 36.4974, 30.9543

# Trichromacy



## Original Color

42.1255, 36.4669, 7.3012

## Protanomaly

35.9752, 36.1324, 7.8745

## Deuteranomaly

38.9251, 36.4465, 7.1738

## Tritanomaly

44.4284, 36.0827, 18.8104

# Monochromacy



## Original Color

42.1255, 36.4669, 7.3012

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

34.1306, 34.1341, 21.6193

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1255, 36.4669, 7.3012 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(227, 144, 45)` looks like.

```
.text, #text, p{  
    color:rgb(227, 144, 45)  
}
```

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(227, 144, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 144, 45) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1255, 36.4669, 7.3012 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(227, 144, 45) }
```



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

```
.border{ border-color:rgb(227, 144, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 144, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 144, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 144, 45);  
box-shadow:4px 4px 4px 4px rgb(227, 144,  
45) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1255, 36.4669, 7.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 144, 45) }
```

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

```
.background{ background-color: rgb(227,  
144, 45) }
```

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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