

Converting Colors

XYZ(46.1361, 38.4495, 11.4691)

Have a look what the booklet for
XYZ(46.1361, 38.4495, 11.4691)
contains.

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Color

**XYZ(46.1343, 38.4455,
11.4677)**

Conversions

Conversions Part 1

Format	Color
Hex	ED904A
RGB	237, 144, 74
RGB Percent	93%, 56%, 29%
CMY	0.0706, 0.4353, 0.7098
CMYK	0.00, 0.39, 0.69, 0.07
HSL	26°, 82%, 61%
HSV	26°, 69%, 93%
XYZ	46.1343, 38.4455, 11.4677
YIQ	163.8270, 77.8980, -2.0540

Conversions

Conversions Part 2

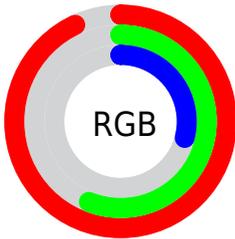
Format	Color
R _{YB}	237, 197, 74
Decimal	15568970
CIE Lab	68.35, 29.38, 50.98
CIE LCh	68, 58.836, 60.046
Yxy	38.4455, 0.4803, 0.4003
Android (android.graphics.Color)	4293759050 (0xFFED904A)
YUV	163.8270, -44.2847, 64.1727
Hunter-Lab	62.0044, 24.3049, 32.4374

Details

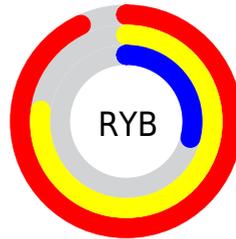
The XYZ color **46.1343, 38.4455, 11.4677** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.9277, 35.2054, 85.2326**, and the grayscale version is **35.3833, 37.2260, 40.5391**.

A 20% lighter version of the original color is **65.1358, 63.1288, 28.1541**, and **21.9735, 17.1207, 2.9571** is the 20% darker color. If you saturate the color by 10%, you get **43.5545, 34.3322, 7.3831**, and if you desaturate by 10%, it is **49.2618, 43.1737, 17.2185**.

Distribution



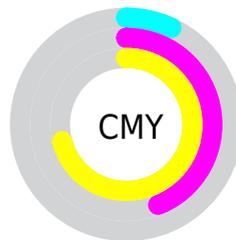
- Red (93%)
- Green (56%)
- Blue (29%)



- Red (93%)
- Yellow (77%)
- Blue (29%)



- Cyan (0%)
- Magenta (39%)
- Yellow (69%)
- Black (7%)



- Cyan (7%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1343, 38.4455, 11.4677 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 46.1343, 38.4455, 11.4677 by changing the saturation by 10% instead.

 46.1343, 38.4455,
11.4677

 46.1343, 38.4455,
11.4677

362.0552,
339.5272, 211.7000

 32.5569, 26.3286,
6.2642

 83.6466, 72.7905,
29.1716

 21.9448, 17.0697,
2.9350

 108.3122, 95.7873,
42.5091

 13.9327, 10.2842,
1.0616

 137.4045,
123.1797, 59.3950

 8.1553, 5.5878,
0.0000

 171.2890,
155.3519, 80.2479

 4.2471, 2.5961,
0.0000

 210.3309,
192.6884, 105.4864

 1.8429, 0.9247,
0.0000

254.8957,

 0.5433, 0.0000,

235.5735, 135.5288

0.0000

305.3487,
284.3916, 170.7939

■ 0.0000, 0.0000,
0.0000

■ 46.1343, 38.4455,
11.4677

■ 46.1343, 38.4455,
11.4677

■ 43.5545, 34.3322,
7.3831

■ 49.2618, 43.1737,
17.2185

■ 41.4752, 30.7961,
4.7712

■ 52.9729, 48.5392,
24.7956

■ 39.8352, 27.7998,
3.3497

■ 57.3026, 54.5703,
34.3421

■ 39.6553, 27.4655,
3.2113

■ 62.2826, 61.2915,
45.9863

■ 67.9416, 68.7259,
59.8455

 74.3068, 76.8954,
76.0282

 81.4038, 85.8208,
94.6358

 87.8404, 94.9557,
108.3063

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



54.1496, 38.4455, 21.2270



46.1343, 38.4455, 11.4677



36.5272, 38.4455, 8.8366

Triad

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



46.1343, 38.4455, 11.4677



21.5169, 38.4455, 41.9011



46.1629, 38.4455, 103.0411

Complementary

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



46.1343, 38.4455, 11.4677



31.9277, 35.2054, 85.2326

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.



36.5554, 38.4455, 115.9953



46.1343, 38.4455, 11.4677



23.2355, 38.4455, 72.8003

Square

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



46.1343, 38.4455, 11.4677



23.2250, 38.4455, 21.2716



28.3798, 38.4455, 103.1149



54.1679, 38.4455, 72.6989

Rectangle

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



46.1343, 38.4455, 11.4677



30.7915, 38.4455, 9.9734



28.3798, 38.4455, 103.1149



42.9657, 38.4455, 110.0284

Sweetspot

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



46.1352, 38.4475, 11.4684



78.6122, 79.0513, 66.6514



44.5429, 25.7699, 40.2037



16.4234, 16.3927, 13.2745



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.



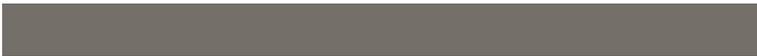
46.1352, 38.4475, 11.4684



50.2423, 38.5567, 7.1134



62.6598, 71.4967, 16.9766



15.5974, 16.1179, 15.8077



21.7751, 15.2444, 1.7948



1.8037, 1.3846, 0.1722

Inverse Universe

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



31.9277, 35.2054, 85.2326



32.3542, 34.3275, 99.5284



21.5659, 14.4818, 81.7787



14.9446, 15.9756, 19.2182



13.2249, 13.0968, 45.5739



1.1337, 1.2188, 3.6104

Previews

White Background



This preview shows how the XYZ color 46.1343, 38.4455, 11.4677 looks on a white background.

Color Contrast Check

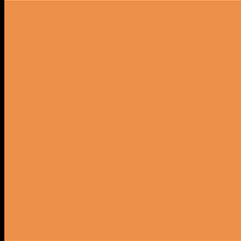
Large Text (above 18pt) WCAG AA × Fail

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 46.1343, 38.4455, 11.4677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

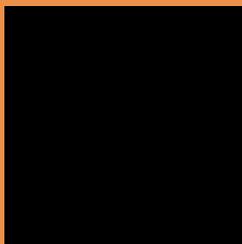
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1343, 38.4455, 11.4677

Background



This preview shows how black text looks on a background with the XYZ color 46.1343, 38.4455, 11.4677.



This preview shows how white text looks on a background with the XYZ color 46.1343, 38.4455,

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

46.1343, 38.4455, 11.4677

Protanopia

35.3115, 38.5458, 13.3635

Deuteranopia

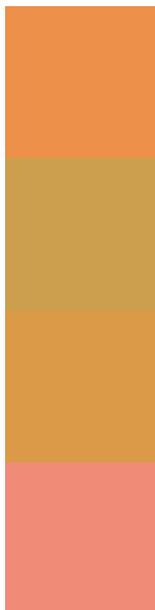
39.2358, 38.5039, 11.1584



Tritanopia

50.2681, 38.3844, 31.9536

Trichromacy



Original Color

46.1343, 38.4455, 11.4677

Protanomaly

38.6751, 38.1837, 12.5395

Deuteranomaly

41.6064, 38.4716, 11.1941

Tritanomaly

48.5580, 38.3466, 22.6116

Monochromacy



Original Color

46.1343, 38.4455, 11.4677

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.6396, 36.8290, 26.5976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1343, 38.4455, 11.4677 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, 144, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 144, 74)  
}
```

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, 144, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 144, 74) }
```

Border

The CSS property to change the border of an element to XYZ 46.1343, 38.4455, 11.4677 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, 144, 74) }
```


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

```
.border{ border-color:rgb(237, 144, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 144, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 144, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 144, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 144,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1343, 38.4455, 11.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 144, 74) }
```

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

```
.background{ background-color: rgb(237,  
144, 74) }
```

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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