

Converting Colors

XYZ(46.1225, 38.3640, 14.8716)

Have a look what the booklet for
XYZ(46.1225, 38.3640, 14.8716)
contains.

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Color

**XYZ(46.1225, 38.3640,
14.8716)**

Conversions

Conversions Part 1

Format	Color
Hex	EB905B
RGB	235, 144, 91
RGB Percent	92%, 56%, 36%
CMY	0.0784, 0.4353, 0.6431
CMYK	0.00, 0.39, 0.61, 0.08
HSL	22°, 78%, 64%
HSV	22°, 61%, 92%
XYZ	46.1225, 38.3640, 14.8716
YIQ	165.1670, 71.2490, 2.8090

Conversions

Conversions Part 2

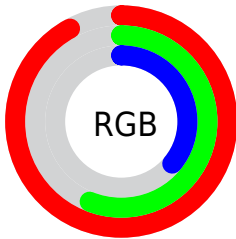
Format	Color
RYB	235, 175, 91
Decimal	15437915
CIELab	68.29, 29.60, 42.33
CIELCh	68, 51.650, 55.033
Yxy	38.3640, 0.4642, 0.3861
Android (android.graphics.Color)	4293627995 (0xFFEB905B)
YUV	165.1670, -36.5643, 61.2435
Hunter-Lab	61.9387, 24.5269, 29.1214

Details

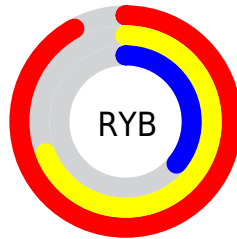
The XYZ color **46.1225, 38.3640, 14.8716** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **36.0366, 41.6759, 84.7417**, and the grayscale version is **35.9914, 37.8657, 41.2358**.

A 20% lighter version of the original color is **66.3166, 63.6012, 34.3722**, and **22.0296, 17.1171, 4.4283** is the 20% darker color. If you saturate the color by 10%, you get **43.1599, 33.8153, 9.6417**, and if you desaturate by 10%, it is **49.7001, 43.6353, 21.8727**.

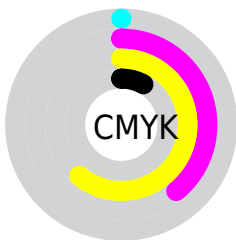
Distribution



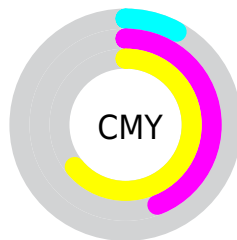
- Red (92%)
- Green (56%)
- Blue (36%)



- Red (92%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (61%)
- Black (8%)





- Cyan (8%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1225, 38.3640, 14.8716 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 46.1225, 38.3640, 14.8716 by changing the saturation by 10% instead.


 46.1225, 38.3640,
14.8716


 46.1225, 38.3640,
14.8716


362.0086,
339.1789, 234.2017

 32.5475, 26.2653,
8.5837


 83.6290, 72.6657,
35.3669


 21.9376, 17.0222,
4.3776


 108.2913, 95.6375,
50.4113

 13.9274, 10.2503,
1.8347


 137.3801,
123.0025, 69.2117

 8.1516, 5.5653,
0.4507

 171.2607,
155.1451, 92.1866

 4.2447, 2.5826,
0.0000

210.2985,
192.4496, 119.7545

 1.8415, 0.9179,
0.0000

254.8588,

 0.5425, 0.0000,

235.3005, 152.3340

0.0000

305.3071,
284.0821, 190.3435

■ 0.0000, 0.0000,
0.0000

■ 46.1225, 38.3640,
14.8716

■ 46.1225, 38.3640,
14.8716

■ 43.1599, 33.8153,
9.6417

■ 49.7001, 43.6353,
21.8727

■ 40.7674, 29.9480,
6.0149

■ 53.9276, 49.6557,
30.7876

■ 38.8968, 26.7250,
3.7938

■ 58.8403, 56.4574,
41.7467

■ 37.6288, 24.3982,
2.7261

■ 64.4697, 64.0685,
54.8683

■ 70.8453, 72.5161,
70.2615

■ 77.9950, 81.8255,
88.0280

■ 85.8642, 91.9889,
107.8379

■ 88.0707, 96.4021,
108.5734

Harmonies

Analogous

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



52.4476, 38.3640, 25.6181



46.1225, 38.3640, 14.8716



37.8270, 38.3640, 11.2571

Triad

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



46.1225, 38.3640, 14.8716



23.0613, 38.3640, 38.0329



43.4481, 38.3640, 96.5172

Complementary

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



46.1225, 38.3640, 14.8716



36.0366, 41.6759, 84.7417

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.



35.1338, 38.3640, 103.7085



46.1225, 38.3640, 14.8716



24.1101, 38.3640, 63.5941

Square

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



46.1225, 38.3640, 14.8716



25.1467, 38.3640, 21.0926



28.2575, 38.3640, 89.9328



50.7504, 38.3640, 72.8497

Rectangle

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



46.1225, 38.3640, 14.8716



32.5771, 38.3640, 11.8328



28.2575, 38.3640, 89.9328



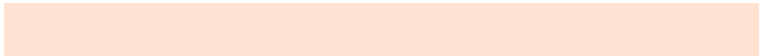
40.6480, 38.3640, 101.2404

Sweetspot

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



46.1234, 38.3660, 14.8723



79.9562, 80.2587, 71.6639



46.4662, 28.5302, 47.4224



16.6525, 16.5634, 14.2369



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.



46.1234, 38.3660, 14.8723



51.0026, 39.1976, 10.0785



60.6537, 67.4265, 19.7157



15.5195, 15.9621, 15.7817



21.0538, 13.8019, 1.5544



1.7424, 1.2621, 0.1518

Inverse Universe

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



36.0366, 41.6759, 84.7417



37.7792, 43.3131, 100.9768



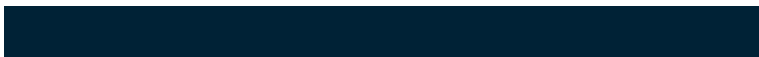
24.9075, 19.4177, 81.0320



15.0246, 16.1356, 19.2449



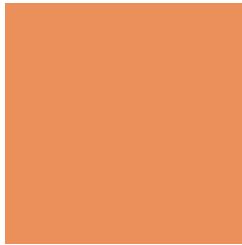
14.4088, 15.4647, 45.9685



1.2228, 1.3970, 3.6401

Previews

White Background



This preview shows how the XYZ color 46.1225, 38.3640, 14.8716 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 46.1225, 38.3640, 14.8716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

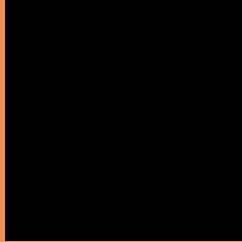
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1225, 38.3640, 14.8716

Background



This preview shows how black text looks on a background with the XYZ color 46.1225, 38.3640, 14.8716.



This preview shows how white text looks on a background with the XYZ color 46.1225, 38.3640,

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

46.1225, 38.3640, 14.8716

Protanopia

35.5993, 38.6056, 17.3797

Deuteranopia

39.3364, 38.4800, 14.5866



Tritanopia

49.8087, 38.3486, 32.3806

Trichromacy



Original Color

46.1225, 38.3640, 14.8716

Protanomaly

38.8666, 38.1974, 16.3907

Deuteranomaly

41.6777, 38.4314, 14.6725

Tritanomaly

48.4687, 38.4656, 24.9487

Monochromacy



Original Color

46.1225, 38.3640, 14.8716

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.8796, 36.8961, 29.1699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1225, 38.3640, 14.8716 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(235, 144, 91)` looks like.

```
.text, #text, p{  
    color:rgb(235, 144, 91)  
}
```

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(235, 144, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 144, 91) }
```

Border

The CSS property to change the border of an element to XYZ 46.1225, 38.3640, 14.8716 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(235, 144, 91) }
```


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

```
.border{ border-color:rgb(235, 144, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 144, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 144, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 144, 91);  
box-shadow:4px 4px 4px 4px rgb(235, 144,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1225, 38.3640, 14.8716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 144, 91) }
```

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

```
.background{ background-color: rgb(235,  
144, 91) }
```

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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