

Converting Colors

XYZ(46.1611, 38.1156, 14.0420)

Have a look what the booklet for
XYZ(46.1611, 38.1156, 14.0420)
contains.

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Color

**XYZ(46.1348, 38.1659,
13.9520)**

Conversions

Conversions Part 1

Format	Color
Hex	EC8F57
RGB	236, 143, 87
RGB Percent	93%, 56%, 34%
CMY	0.0745, 0.4392, 0.6588
CMYK	0.00, 0.39, 0.63, 0.07
HSL	23°, 80%, 63%
HSV	23°, 63%, 93%
XYZ	46.1348, 38.1659, 13.9520
YIQ	164.4230, 73.4040, 2.3000

Conversions

Conversions Part 2

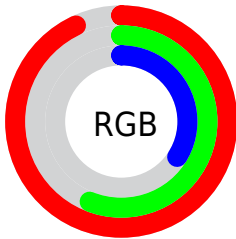
Format	Color
R _Y B	236, 177, 87
Decimal	15503191
CIE Lab	68.14, 30.26, 44.24
CIE LCh	68, 53.603, 55.628
Yxy	38.1659, 0.4696, 0.3884
Android (android.graphics.Color)	4293693271 (0xFFEC8F57)
YUV	164.4230, -38.1695, 62.7730
Hunter-Lab	61.7786, 25.1872, 29.8550

Details

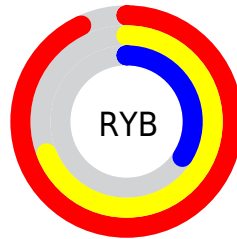
The XYZ color **46.1348, 38.1659, 13.9520** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **35.3909, 40.7226, 85.3513**, and the grayscale version is **35.6411, 37.4972, 40.8345**.

A 20% lighter version of the original color is **65.7937, 63.0275, 32.7426**, and **22.0815, 17.0243, 3.9559** is the 20% darker color. If you saturate the color by 10%, you get **43.2558, 33.7070, 8.9880**, and if you desaturate by 10%, it is **49.6211, 43.3354, 20.6734**.

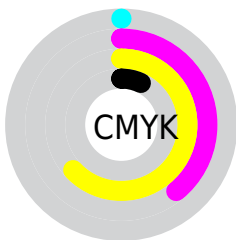
Distribution



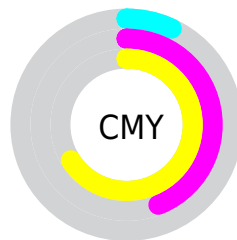
- Red (93%)
- Green (56%)
- Blue (34%)



- Red (93%)
- Yellow (69%)
- Blue (34%)



- Cyan (0%)
- Magenta (39%)
- Yellow (63%)
- Black (7%)





- Cyan (7%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1348, 38.1659, 13.9520 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 46.1348, 38.1659, 13.9520 by changing the saturation by 10% instead.


 46.1348, 38.1659,
13.9520


 46.1348, 38.1659,
13.9520


362.0572,
338.3311, 228.3501


 32.5573, 26.1115,
7.9489


 83.6473, 72.3623,
33.7197


 21.9451, 16.9071,
3.9750


 108.3131, 95.2732,
48.3215


 13.9330, 10.1682,
1.6116


 137.4056,
122.5716, 66.6265

 8.1554, 5.5107,
0.2991

 171.2902,
154.6419, 89.0534

 4.2472, 2.5499,
0.0000

 210.3323,
191.8687, 116.0206

 1.8429, 0.9015,
0.0000

254.8973,

 0.5433, 0.0000,

234.6362, 147.9468

0.0000

305.3505,
283.3289, 185.2504

■ 0.0000, 0.0000,
0.0000

■ 46.1348, 38.1659,
13.9520

■ 46.1348, 38.1659,
13.9520

■ 43.2558, 33.7070,
8.9880

■ 49.6211, 43.3354,
20.6734

■ 40.9380, 29.9176,
5.6069

■ 53.7502, 49.2421,
29.2998

■ 39.1316, 26.7602,
3.6009

■ 58.5579, 55.9177,
39.9651

■ 38.1399, 24.9289,
2.8016

■ 64.0762, 63.3907,
52.7908

■ 70.3349, 71.6875,
67.8885

■ 77.3620, 80.8336,
85.3622

■ 85.1841, 90.8530,
105.3094

■ 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



52.7957, 38.1659, 24.6467



46.1348, 38.1659, 13.9520



37.5155, 38.1659, 10.4696

Triad

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



46.1348, 38.1659, 13.9520



22.4854, 38.1659, 38.1428



43.6867, 38.1659, 98.4608

Complementary

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



46.1348, 38.1659, 13.9520



35.3909, 40.7226, 85.3513

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.



35.0632, 38.1659, 106.4855



46.1348, 38.1659, 13.9520



23.6203, 38.1659, 64.8340

Square

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



46.1348, 38.1659, 13.9520



24.5534, 38.1659, 20.5979



27.9316, 38.1659, 92.3512



51.2367, 38.1659, 73.3641

Rectangle

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



46.1348, 38.1659, 13.9520



32.1128, 38.1659, 11.1080



27.9316, 38.1659, 92.3512



40.7833, 38.1659, 103.5744

Sweetspot

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



46.1357, 38.1679, 13.9527



79.3083, 79.4645, 69.9016



46.3784, 28.0007, 46.8739



16.5297, 16.4152, 13.8959



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.



46.1357, 38.1679, 13.9527



50.6191, 38.6618, 9.2377



60.9022, 67.7008, 18.8749



15.5294, 15.9817, 15.7850



21.1381, 13.9705, 1.5825



1.7497, 1.2767, 0.1542

Inverse Universe

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



35.3909, 40.7226, 85.3513



36.7464, 41.7377, 100.7272



24.3148, 18.5703, 81.6592



15.0144, 16.1152, 19.2415



14.2504, 15.1478, 45.9157



1.2110, 1.3734, 3.6361

Previews

White Background



This preview shows how the XYZ color 46.1348, 38.1659, 13.9520 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 46.1348, 38.1659, 13.9520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

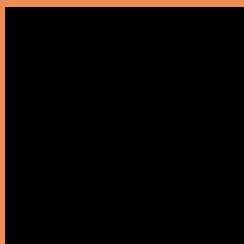
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1348, 38.1659, 13.9520

Background



This preview shows how black text looks on a background with the XYZ color 46.1348, 38.1659, 13.9520.



This preview shows how white text looks on a background with the XYZ color 46.1348, 38.1659,

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

46.1348, 38.1659, 13.9520

Protanopia

35.4127, 38.5309, 16.3972

Deuteranopia

39.1752, 38.4155, 13.7377



Tritanopia

49.9276, 38.2089, 31.9377

Trichromacy



Original Color

46.1348, 38.1659, 13.9520

Protanomaly

38.5157, 37.7830, 15.3881

Deuteranomaly

41.3498, 38.0373, 13.7569

Tritanomaly

48.5309, 38.2966, 24.2362

Monochromacy



Original Color

46.1348, 38.1659, 13.9520

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.5676, 36.5017, 28.3580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1348, 38.1659, 13.9520 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(236, 143, 87)` looks like.

```
.text, #text, p{  
    color:rgb(236, 143, 87)  
}
```

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(236, 143, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 143, 87) }
```

Border

The CSS property to change the border of an element to XYZ 46.1348, 38.1659, 13.9520 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(236, 143, 87) }
```


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

```
.border{ border-color:rgb(236, 143, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 143, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 143, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 143, 87);  
box-shadow:4px 4px 4px 4px rgb(236, 143,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1348, 38.1659, 13.9520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 143, 87) }
```

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

```
.background{ background-color: rgb(236,  
143, 87) }
```

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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