

Converting Colors

XYZ(46.6707, 38.4427, 12.7651)

Have a look what the booklet for
XYZ(46.6707, 38.4427, 12.7651)
contains.

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Color

**XYZ(46.5676, 38.4161,
12.7453)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | EE8F51 |
| RGB | 238, 143, 81 |
| RGB Percent | 93%, 56%, 32% |
| CMY | 0.0667, 0.4392, 0.6823 |
| CMYK | 0.00, 0.40, 0.66, 0.07 |
| HSL | 24°, 82%, 63% |
| HSV | 24°, 66%, 93% |
| XYZ | 46.5676, 38.4161, 12.7453 |
| YIQ | 164.3370, 76.5220, 0.8580 |

Conversions

Conversions Part 2

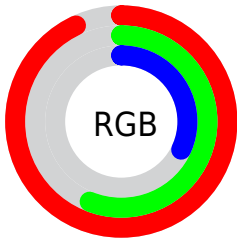
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 238, 183, 81 |
| Decimal | 15634257 |
| CIE Lab | 68.33, 30.70, 47.56 |
| CIE LCh | 68, 56.602, 57.158 |
| Yxy | 38.4161, 0.4765, 0.3931 |
| Android (android.graphics.Color) | 4293824337 (0xFFEE8F51) |
| YUV | 164.3370, -41.0851, 64.6025 |
| Hunter-Lab | 61.9807, 25.6451, 31.1945 |

Details

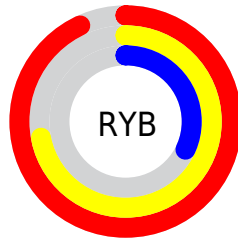
The XYZ color **46.5676, 38.4161, 12.7453** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **34.3505, 38.9712, 86.6003**, and the grayscale version is **35.6124, 37.4670, 40.8016**.

A 20% lighter version of the original color is **65.3711, 62.8584, 30.5173**, and **22.2193, 17.1057, 3.4971** is the 20% darker color. If you saturate the color by 10%, you get **43.8018, 34.0715, 8.1652**, and if you desaturate by 10%, it is **49.9253, 43.4448, 19.0657**.

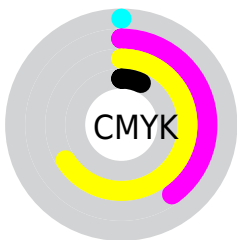
Distribution



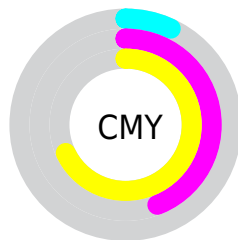
- Red (93%)
- Green (56%)
- Blue (32%)



- Red (93%)
- Yellow (72%)
- Blue (32%)



- Cyan (0%)
- Magenta (40%)
- Yellow (66%)
- Black (7%)



- Cyan (7%)
- Magenta (44%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5676, 38.4161, 12.7453 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 46.5676, 38.4161, 12.7453 by changing the saturation by 10% instead.

46.5676, 38.4161,
12.7453

46.5676, 38.4161,
12.7453

363.7637,
339.4016, 220.4290

32.9005, 26.3058,
7.1247

84.2905, 72.7455,
31.5299

22.2091, 17.0525,
3.4606

109.0770, 95.7333,
45.5310

14.1281, 10.2720,
1.3344

138.3006,
123.1158, 63.1627

8.2921, 5.5796,
0.0897

172.3268,
155.2773, 84.8435

4.3358, 2.5912,
0.0000

211.5208,
192.6023, 110.9920

1.8938, 0.9222,
0.0000

256.2481,

0.5732, 0.0000,

235.4750, 142.0268

0.0000

306.8739,
284.2800, 178.3662

■ 0.0000, 0.0000,
0.0000

■ 46.5676, 38.4161,
12.7453

■ 46.5676, 38.4161,
12.7453

■ 43.8018, 34.0715,
8.1652

■ 49.9253, 43.4448,
19.0657

■ 41.5805, 30.3702,
5.1391

■ 53.9117, 49.1833,
27.2823


■ 39.8509, 27.2752,
3.4400

■ 58.5630, 55.6627,
37.5361


■ 39.2621, 26.1817,
2.9842

■ 63.9117, 62.9105,
49.9536

■ 69.9880, 70.9526,
64.6512

 76.8201, 79.8134,
81.7369

 84.4347, 89.5165,
101.3116

 89.0698, 96.9171,
108.6201

Harmonies

Analogous

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



53.8908, 38.4161, 23.2576



46.5676, 38.4161, 12.7453



37.3657, 38.4161, 9.5489

Triad

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



46.5676, 38.4161, 12.7453



21.9887, 38.4161, 39.4529



44.8660, 38.4161, 102.0906

Complementary

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



46.5676, 38.4161, 12.7453



34.3505, 38.9712, 86.6003

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.



35.6741, 38.4161, 112.0527



46.5676, 38.4161, 12.7453



23.3417, 38.4161, 68.3245

Square

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



46.5676, 38.4161, 12.7453



23.9750, 38.4161, 20.5346



28.0216, 38.4161, 97.7623



52.8019, 38.4161, 74.3102

Rectangle

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



46.5676, 38.4161, 12.7453



31.7087, 38.4161, 10.3606



28.0216, 38.4161, 97.7623



41.7803, 38.4161, 108.0241

Sweetspot

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



46.5685, 38.4181, 12.7460



78.8329, 79.0073, 68.2217



46.2199, 27.2693, 44.8508



16.4471, 16.3458, 13.5730



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.



46.5685, 38.4181, 12.7460



50.2980, 38.3275, 8.1818



62.2552, 69.7915, 17.9749



16.2849, 16.7830, 16.5309



22.0220, 14.8421, 1.7041



1.9264, 1.4234, 0.1732

Inverse Universe

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



34.3505, 38.9712, 86.6003



34.9629, 38.8232, 100.2586



23.3182, 16.9066, 82.9229



15.6930, 16.8202, 20.1411



14.3040, 14.8323, 47.2369



1.2867, 1.4274, 3.9619

Previews

White Background



This preview shows how the XYZ color 46.5676, 38.4161, 12.7453 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 46.5676, 38.4161, 12.7453 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 46.5676, 38.4161, 12.7453

Background



This preview shows how black text looks on a background with the XYZ color 46.5676, 38.4161, 12.7453.



This preview shows how white text looks on a background with the XYZ color 46.5676, 38.4161,

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

46.5676, 38.4161, 12.7453

Protanopia

35.3891, 38.5490, 15.0267

Deuteranopia

39.1913, 38.4539, 12.3779



Tritanopia

50.3928, 38.2495, 31.5150

Trichromacy



Original Color

46.5676, 38.4161, 12.7453

Protanomaly

38.8084, 37.9630, 14.0863

Deuteranomaly

41.6798, 38.2380, 12.3916

Tritanomaly

48.8770, 38.2829, 23.2256

Monochromacy



Original Color

46.5676, 38.4161, 12.7453

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.6774, 36.5745, 27.6280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5676, 38.4161, 12.7453 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(238, 143, 81)` looks like.

```
.text, #text, p{  
    color:rgb(238, 143, 81)  
}
```

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(238, 143, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 143, 81) }
```

Border

The CSS property to change the border of an element to XYZ 46.5676, 38.4161, 12.7453 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(238, 143, 81) }
```


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

```
.border{ border-color:rgb(238, 143, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 143, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 143, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 143, 81);  
box-shadow:4px 4px 4px 4px rgb(238, 143,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5676, 38.4161, 12.7453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 143, 81) }
```

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

```
.background{ background-color: rgb(238,  
143, 81) }
```

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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