

Converting Colors

XYZ(46.0958, 37.9917, 11.0011)

Have a look what the booklet for
XYZ(46.0958, 37.9917, 11.0011)
contains.

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Color

**XYZ(46.1026, 37.9910,
11.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	EE8E48
RGB	238, 142, 72
RGB Percent	93%, 56%, 28%
CMY	0.0667, 0.4431, 0.7176
CMYK	0.00, 0.40, 0.70, 0.07
HSL	25°, 83%, 61%
HSV	25°, 70%, 93%
XYZ	46.1026, 37.9910, 11.0340
YIQ	162.7240, 79.6860, -1.4180

Conversions

Conversions Part 2

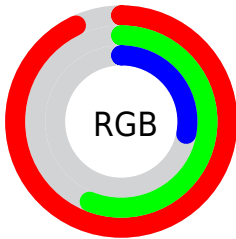
Format	Color
R _Y B	238, 193, 72
Decimal	15633992
CIE Lab	68.01, 30.73, 51.61
CIE LCh	68, 60.062, 59.232
Yxy	37.9910, 0.4846, 0.3994
Android (android.graphics.Color)	4293824072 (0xFFEE8E48)
YUV	162.7240, -44.7269, 66.0171
Hunter-Lab	61.6368, 25.6484, 32.5319

Details

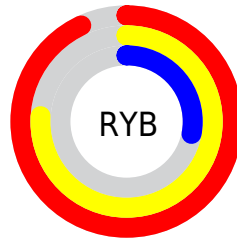
The XYZ color **46.1026, 37.9910, 11.0340** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **32.1068, 35.5541, 86.0589**, and the grayscale version is **34.8614, 36.6770, 39.9412**.

A 20% lighter version of the original color is **64.5551, 62.1699, 27.3365**, and **21.9988, 16.8798, 2.7605** is the 20% darker color. If you saturate the color by 10%, you get **43.5484, 33.8941, 7.0652**, and if you desaturate by 10%, it is **49.2118, 42.7177, 16.6702**.

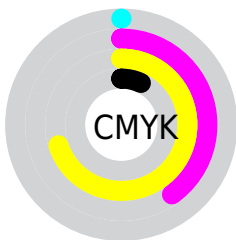
Distribution



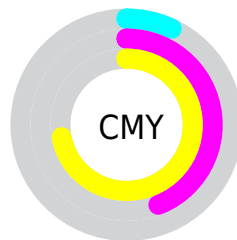
- Red (93%)
- Green (56%)
- Blue (28%)



- Red (93%)
- Yellow (76%)
- Blue (28%)



- Cyan (0%)
- Magenta (40%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1026, 37.9910, 11.0340 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 46.1026, 37.9910, 11.0340 by changing the saturation by 10% instead.


 46.1026, 37.9910,
11.0340


 46.1026, 37.9910,
11.0340


361.9300,
337.5814, 208.6465

 32.5318, 25.9757,
5.9752


 83.5995, 72.0943,
28.3606


 21.9255, 16.8055,
2.7615


 108.2562, 94.9512,
41.4656


 13.9185, 10.0959,
0.9742


 137.3389,
122.1907, 58.0897

 8.1453, 5.4626,
0.0000


 171.2130,
154.1972, 78.6515

 4.2406, 2.5211,
0.0000

 210.2438,
191.3551, 103.5696

 1.8392, 0.8872,
0.0000

254.7966,

 0.5411, 0.0000,

234.0488, 133.2624

0.0000

305.2369,
282.6628, 168.1485

■ 0.0000, 0.0000,
0.0000

■ 46.1026, 37.9910,
11.0340

■ 46.1026, 37.9910,
11.0340

■ 43.5484, 33.8941,
7.0652

■ 49.2118, 42.7177,
16.6702

■ 41.5005, 30.3881,
4.5644

■ 52.9130, 48.0980,
24.1379


■ 39.8893, 27.4310,
3.2096


■ 57.2427, 54.1615,
33.5837


■ 39.8524, 27.3625,
3.1810


■ 62.2330, 60.9337,
45.1384

■ 67.9138, 68.4387,
58.9217

 74.3130, 76.6993,
75.0441

 81.4567, 85.7372,
93.6088

 88.1548, 95.0873,
108.3152

 89.0697, 96.9170,
108.6201

Harmonies

Analogous

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



54.1671, 37.9910, 20.9823



46.1026, 37.9910, 11.0340



36.3508, 37.9910, 8.2982

Triad

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



46.1026, 37.9910, 11.0340



20.9586, 37.9910, 40.6795



45.6132, 37.9910, 104.4767

Complementary

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



46.1026, 37.9910, 11.0340



32.1068, 35.5541, 86.0589

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.



35.8689, 37.9910, 117.0976



46.1026, 37.9910, 11.0340



22.5902, 37.9910, 71.9254

Square

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



46.1026, 37.9910, 11.0340



22.7669, 37.9910, 20.2312



27.6757, 37.9910, 103.2020



53.8519, 37.9910, 73.6676

Rectangle

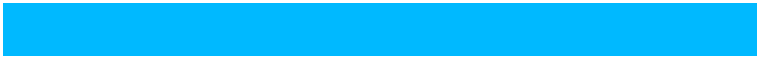
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1026, 37.9910, 11.0340



30.5086, 37.9910, 9.3199



27.6757, 37.9910, 103.2020



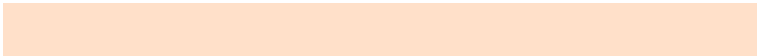
42.3566, 37.9910, 111.4538

Sweetspot

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



46.1035, 37.9930, 11.0347



78.5002, 78.8274, 66.6141



44.7230, 25.6704, 40.0521



16.3970, 16.3398, 13.2657



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.



46.1035, 37.9930, 11.0347



49.7709, 37.6870, 6.7307



63.1298, 72.0457, 16.7101



16.3207, 16.8545, 16.5428



22.3554, 15.5089, 1.8153



1.9561, 1.4829, 0.1831

Inverse Universe

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



32.1068, 35.5541, 86.0589



32.3516, 34.4776, 99.5575



21.4198, 14.1801, 82.4965



15.6565, 16.7470, 20.1289



13.7816, 13.7874, 47.0627



1.2447, 1.3435, 3.9479

Previews

White Background



This preview shows how the XYZ color 46.1026, 37.9910, 11.0340 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 46.1026, 37.9910, 11.0340 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 46.1026, 37.9910, 11.0340

Background



This preview shows how black text looks on a background with the XYZ color 46.1026, 37.9910, 11.0340.



This preview shows how white text looks on a background with the XYZ color 46.1026, 37.9910,

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

46.1026, 37.9910, 11.0340

Protanopia

34.8514, 38.0420, 13.0954

Deuteranopia

39.0024, 38.1365, 10.7743



Tritanopia

50.1771, 37.9411, 31.0643

Trichromacy



Original Color

46.1026, 37.9910, 11.0340

Protanomaly

38.2984, 37.4871, 12.2384

Deuteranomaly

41.2159, 37.7916, 10.7524

Tritanomaly

48.4913, 37.9001, 21.8992

Monochromacy



Original Color

46.1026, 37.9910, 11.0340

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.9858, 36.0015, 26.1187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1026, 37.9910, 11.0340 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, 142, 72)` looks like.

```
.text, #text, p{  
    color:rgb(238, 142, 72)  
}
```

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, 142, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 142, 72) }
```

Border

The CSS property to change the border of an element to XYZ 46.1026, 37.9910, 11.0340 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, 142, 72) }
```


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

```
.border{ border-color:rgb(238, 142, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 142, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 142, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 142, 72);  
box-shadow:4px 4px 4px 4px rgb(238, 142,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1026, 37.9910, 11.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 142, 72) }
```

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

```
.background{ background-color: rgb(238,  
142, 72) }
```

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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