

Converting Colors

XYZ(44.8835, 36.8446, 11.8882)

Have a look what the booklet for
XYZ(44.8835, 36.8446, 11.8882)
contains.

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Color

**XYZ(45.0142, 36.9684,
11.9708)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8C4E
RGB	235, 140, 78
RGB Percent	92%, 55%, 31%
CMY	0.0784, 0.4510, 0.6941
CMYK	0.00, 0.40, 0.67, 0.08
HSL	24°, 80%, 61%
HSV	24°, 67%, 92%
XYZ	45.0142, 36.9684, 11.9708
YIQ	161.3370, 76.5220, 0.8580

Conversions

Conversions Part 2

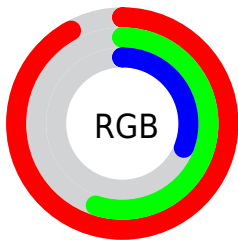
Format	Color
R _Y B	235, 180, 78
Decimal	15436878
CIE Lab	67.25, 30.89, 47.73
CIE LCh	67, 56.852, 57.090
Yxy	36.9684, 0.4791, 0.3935
Android (android.graphics.Color)	4293626958 (0xFFEB8C4E)
YUV	161.3370, -41.0851, 64.6025
Hunter-Lab	60.8016, 25.7487, 30.8880

Details

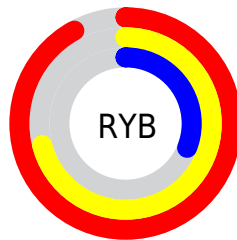
The XYZ color **45.0142, 36.9684, 11.9708** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **33.0798, 37.5029, 84.0921**, and the grayscale version is **34.1945, 35.9752, 39.1770**.

A 20% lighter version of the original color is **64.4942, 61.4286, 29.2266**, and **21.2497, 16.2321, 3.1755** is the 20% darker color. If you saturate the color by 10%, you get **42.3722, 32.8007, 7.6500**, and if you desaturate by 10%, it is **48.2273, 41.7973, 17.9670**.

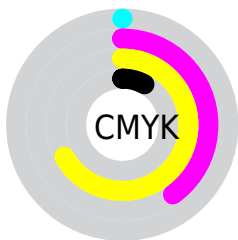
Distribution



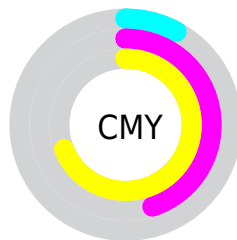
- Red (92%)
- Green (55%)
- Blue (31%)



- Red (92%)
- Yellow (71%)
- Blue (31%)



- Cyan (0%)
- Magenta (40%)
- Yellow (67%)
- Black (8%)





- Cyan (8%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0142, 36.9684, 11.9708 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 45.0142, 36.9684, 11.9708 by changing the saturation by 10% instead.


 45.0142, 36.9684,
11.9708


 45.0142, 36.9684,
11.9708


357.6138,
333.1737, 215.1829


 31.6699, 25.1830,
6.6015


 81.9787, 70.5242,
30.1055

 21.2638, 16.2135,
3.1395


 106.3296, 93.0634,
43.7080


 13.4306, 9.6753,
1.1663


 135.0800,
119.9560, 60.8920

 7.8047, 5.1842,
0.0000

 168.5955,
151.5864, 82.0760

 4.0210, 2.3558,
0.0000

 207.2412,
188.3389, 107.6785

 1.7140, 0.8030,
0.0000

251.3826,

 0.4650, 0.0000,

230.5981, 138.1182

0.0000

301.3850,
278.7482, 173.8135

■ 0.0000, 0.0000,
0.0000

■ 45.0142, 36.9684,
11.9708

■ 45.0142, 36.9684,
11.9708

■ 42.3722, 32.8007,
7.6500

■ 48.2273, 41.7973,
17.9670

■ 40.2549, 29.2545,
4.8215

■ 52.0474, 47.3124,
25.7916


■ 38.6090, 26.2928,
3.2555


■ 56.5100, 53.5443,
35.5822


■ 38.1586, 25.4577,
2.9026


■ 61.6468, 60.5197,
47.4628

■ 67.4872, 68.2636,
61.5467

 74.0589, 76.8001,
77.9393

 81.3876, 86.1518,
96.7391

 87.6756, 95.6118,
108.4417

 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



52.2010, 36.9684, 22.1640



45.0142, 36.9684, 11.9708



35.9919, 36.9684, 8.8890

Triad

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



45.0142, 36.9684, 11.9708



20.9585, 36.9684, 37.8731



43.3044, 36.9684, 99.6124

Complementary

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



45.0142, 36.9684, 11.9708



33.0798, 37.5029, 84.0921

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.



34.2965, 36.9684, 109.4042



45.0142, 36.9684, 11.9708



22.2679, 36.9684, 66.1977

Square

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



45.0142, 36.9684, 11.9708



22.8992, 36.9684, 19.4574



26.8225, 36.9684, 95.2364



51.1051, 36.9684, 72.2309

Rectangle

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



45.0142, 36.9684, 11.9708



30.4545, 36.9684, 9.6594



26.8225, 36.9684, 95.2364



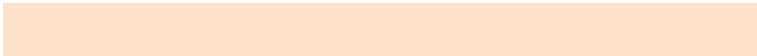
40.2773, 36.9684, 105.4594

Sweetspot

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



45.0151, 36.9703, 11.9715



78.8329, 79.0073, 68.2217



44.7052, 26.1991, 43.1640



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.



45.0151, 36.9703, 11.9715



50.0304, 37.8847, 7.8076



60.3672, 67.6746, 17.0889



15.5535, 16.0301, 15.7931



21.3532, 14.4007, 1.6542



1.7682, 1.3137, 0.1604

Inverse Universe

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



33.0798, 37.5029, 84.0921



34.6348, 38.3630, 100.1871



22.3493, 16.0418, 80.5153



14.9895, 16.0655, 19.2332



13.8726, 14.3923, 45.7898



1.1827, 1.3169, 3.6267

Previews

White Background



This preview shows how the XYZ color 45.0142, 36.9684, 11.9708 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 45.0142, 36.9684, 11.9708 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 45.0142, 36.9684, 11.9708

Background



This preview shows how black text looks on a background with the XYZ color 45.0142, 36.9684, 11.9708.



This preview shows how white text looks on a background with the XYZ color 45.0142, 36.9684,

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

45.0142, 36.9684, 11.9708

Protanopia

34.0112, 37.0466, 14.1622

Deuteranopia

37.7531, 36.9679, 11.6243



Tritanopia

48.8666, 37.0788, 30.1726

Trichromacy



Original Color

45.0142, 36.9684, 11.9708

Protanomaly

37.3701, 36.4847, 13.2563

Deuteranomaly

40.2007, 36.7678, 11.6347

Tritanomaly

47.3938, 37.1174, 22.1192

Monochromacy



Original Color

45.0142, 36.9684, 11.9708

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.2270, 35.1125, 26.3408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0142, 36.9684, 11.9708 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, 140, 78)` looks like.

```
.text, #text, p{  
    color:rgb(235, 140, 78)  
}
```

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, 140, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 140, 78) }
```

Border

The CSS property to change the border of an element to XYZ 45.0142, 36.9684, 11.9708 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, 140, 78) }
```


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

```
.border{ border-color:rgb(235, 140, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 140, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 140, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 140, 78);  
box-shadow:4px 4px 4px 4px rgb(235, 140,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0142, 36.9684, 11.9708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 140, 78) }
```

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

```
.background{ background-color: rgb(235,  
140, 78) }
```

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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