

Converting Colors

XYZ(44.4383, 35.4608, 11.7109)

Have a look what the booklet for
XYZ(44.4383, 35.4608, 11.7109)
contains.

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Color

**XYZ(44.4923, 35.4331,
11.7020)**

Conversions

Conversions Part 1

Format	Color
Hex	EC864E
RGB	236, 134, 78
RGB Percent	93%, 53%, 31%
CMY	0.0745, 0.4745, 0.6941
CMYK	0.00, 0.43, 0.67, 0.07
HSL	21°, 81%, 62%
HSV	21°, 67%, 93%
XYZ	44.4923, 35.4331, 11.7020
YIQ	158.1140, 78.7680, 4.2080

Conversions

Conversions Part 2

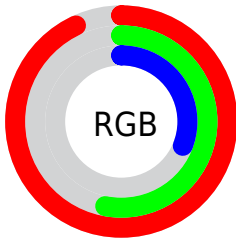
Format	Color
R _Y B	236, 165, 78
Decimal	15500878
CIE Lab	66.08, 34.41, 46.44
CIE LCh	66, 57.798, 53.457
Yxy	35.4331, 0.4856, 0.3867
Android (android.graphics.Color)	4293690958 (0xFFEC864E)
YUV	158.1140, -39.4962, 68.3060
Hunter-Lab	59.5257, 29.2493, 30.0123

Details

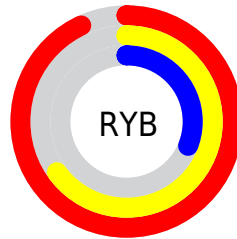
The XYZ color **44.4923, 35.4331, 11.7020** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.6023, 40.3160, 85.3144**, and the grayscale version is **32.7007, 34.4037, 37.4656**.

A 20% lighter version of the original color is **63.1857, 58.8114, 28.7904**, and **20.9942, 15.3892, 3.0263** is the 20% darker color. If you saturate the color by 10%, you get **41.8370, 31.2424, 7.3651**, and if you desaturate by 10%, it is **47.7561, 40.3556, 17.7394**.

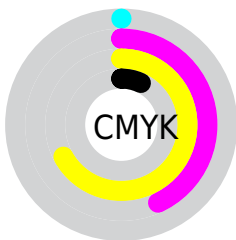
Distribution



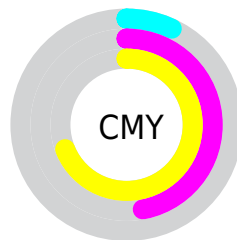
- Red (93%)
- Green (53%)
- Blue (31%)



- Red (93%)
- Yellow (65%)
- Blue (31%)



- Cyan (0%)
- Magenta (43%)
- Yellow (67%)
- Black (7%)





- Cyan (7%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4923, 35.4331, 11.7020 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 44.4923, 35.4331, 11.7020 by changing the saturation by 10% instead.


 44.4923, 35.4331,
11.7020


 44.4923, 35.4331,
11.7020


355.5318,
326.4759, 213.3298


 31.2573, 23.9967,
6.4210


 81.1998, 68.1562,
29.6074


 20.9476, 15.3312,
3.0298


 105.4030, 90.2116,
43.0690


 13.1980, 9.0521,
1.1099


 133.9930,
116.5755, 60.0944

 7.6430, 4.7752,
0.0000

 167.3351,
147.6323, 81.1024

 3.9172, 2.1160,
0.0000

 205.7946,
183.7663, 106.5113

 1.6554, 0.6736,
0.0000

249.7371,

 0.4281, 0.0000,

225.3620, 136.7399

0.0000

299.5277,
272.8037, 172.2065

■ 0.0000, 0.0000,
0.0000

■ 44.4923, 35.4331,
11.7020

■ 44.4923, 35.4331,
11.7020

■ 41.8370, 31.2424,
7.3651

■ 47.7561, 40.3556,
17.7394

■ 39.7405, 27.7385,
4.5422

■ 51.6672, 46.0402,
25.6331


■ 38.1460, 24.8779,
2.9982


■ 56.2637, 52.5221,
35.5231


■ 37.7354, 24.1199,
2.6667

■ 61.5796, 59.8323,
47.5354

■ 67.6467, 68.0002,
61.7854

 74.4946, 77.0535,
78.3802

 82.1513, 87.0186,
97.4199

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



51.2012, 35.4331, 22.6577



44.4923, 35.4331, 11.7020



35.5939, 35.4331, 8.0966

Triad

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



44.4923, 35.4331, 11.7020



19.7980, 35.4331, 33.4414



40.6846, 35.4331, 100.2171

Complementary

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



44.4923, 35.4331, 11.7020



34.6023, 40.3160, 85.3144

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.



31.8323, 35.4331, 107.1721



44.4923, 35.4331, 11.7020



20.6929, 35.4331, 60.6213

Square

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



44.4923, 35.4331, 11.7020



22.0821, 35.4331, 16.7250



24.7757, 35.4331, 90.3802



48.7548, 35.4331, 74.1240

Rectangle

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



44.4923, 35.4331, 11.7020



29.9812, 35.4331, 8.4513



24.7757, 35.4331, 90.3802



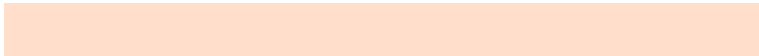
37.6670, 35.4331, 105.2277

Sweetspot

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



44.4931, 35.4350, 11.7026



78.2811, 77.9036, 68.0378



45.6261, 26.6057, 46.2856



16.3160, 16.0835, 13.5293



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.



44.4931, 35.4350, 11.7026



48.9592, 35.7424, 7.4505



59.5855, 65.6198, 16.7334



15.5023, 15.9276, 15.7760



20.9112, 13.5165, 1.5068



1.7298, 1.2370, 0.1476

Inverse Universe

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



34.6023, 40.3160, 85.3144



36.2845, 41.6624, 100.7370



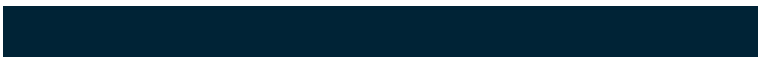
23.0043, 17.1200, 81.4484



15.0424, 16.1713, 19.2508



14.6922, 16.0313, 46.0630



1.2437, 1.4389, 3.6471

Previews

White Background



This preview shows how the XYZ color 44.4923, 35.4331, 11.7020 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 44.4923, 35.4331, 11.7020 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 44.4923, 35.4331, 11.7020

Background



This preview shows how black text looks on a background with the XYZ color 44.4923, 35.4331, 11.7020.



This preview shows how white text looks on a background with the XYZ color 44.4923, 35.4331,

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

44.4923, 35.4331, 11.7020

Protanopia

32.5966, 35.5250, 14.1558

Deuteranopia

36.1805, 35.4190, 11.4082



Tritanopia

47.6299, 35.3070, 27.5971

Trichromacy



Original Color

44.4923, 35.4331, 11.7020

Protanomaly

35.9555, 34.7791, 13.2055

Deuteranomaly

38.7003, 35.0628, 11.3847

Tritanomaly

46.3370, 35.3802, 20.6065

Monochromacy



Original Color

44.4923, 35.4331, 11.7020

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.9596, 33.5190, 25.3961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4923, 35.4331, 11.7020 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, 134, 78)` looks like.

```
.text, #text, p{  
    color:rgb(236, 134, 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(236, 134, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 134, 78) }
```

Border

The CSS property to change the border of an element to XYZ 44.4923, 35.4331, 11.7020 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, 134, 78) }
```


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

```
.border{ border-color:rgb(236, 134, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 134, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 134, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 134, 78);  
box-shadow:4px 4px 4px 4px rgb(236, 134,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4923, 35.4331, 11.7020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 134, 78) }
```

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

```
.background{ background-color: rgb(236,  
134, 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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