

Converting Colors

XYZ(45.0029, 36.0491, 11.0388)

Have a look what the booklet for
XYZ(45.0029, 36.0491, 11.0388)
contains.

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Color

**XYZ(44.9652, 36.1073,
11.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	ED884A
RGB	237, 136, 74
RGB Percent	93%, 53%, 29%
CMY	0.0706, 0.4666, 0.7098
CMYK	0.00, 0.43, 0.69, 0.07
HSL	23°, 82%, 61%
HSV	23°, 69%, 93%
XYZ	44.9652, 36.1073, 11.0780
YIQ	159.1310, 80.0980, 2.1300

Conversions

Conversions Part 2

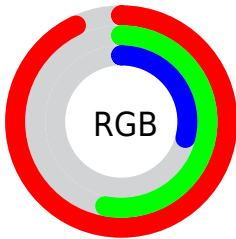
Format	Color
RYB	237, 174, 74
Decimal	15566922
CIELab	66.60, 33.56, 49.05
CIELCh	67, 59.429, 55.624
Yxy	36.1073, 0.4880, 0.3918
Android (android.graphics.Color)	4293757002 (0xFFED884A)
YUV	159.1310, -41.9696, 68.2911
Hunter-Lab	60.0894, 28.4162, 31.1319

Details

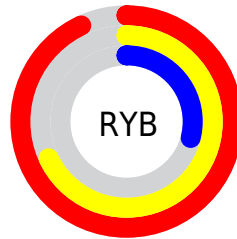
The XYZ color **44.9652, 36.1073, 11.0780** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **33.4388, 38.2276, 85.7363**, and the grayscale version is **33.1760, 34.9037, 38.0102**.

A 20% lighter version of the original color is **63.3551, 59.5676, 27.5606**, and **21.3179, 15.7931, 2.7889** is the 20% darker color. If you saturate the color by 10%, you get **42.3837, 31.9907, 6.9928**, and if you desaturate by 10%, it is **48.1323, 40.9147, 16.8420**.

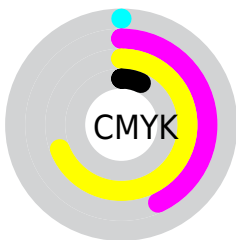
Distribution



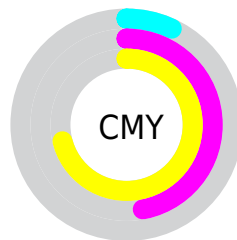
- Red (93%)
- Green (53%)
- Blue (29%)



- Red (93%)
- Yellow (68%)
- Blue (29%)



- Cyan (0%)
- Magenta (43%)
- Yellow (69%)
- Black (7%)





- Cyan (7%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9652, 36.1073, 11.0780 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 44.9652, 36.1073, 11.0780 by changing the saturation by 10% instead.


 44.9652, 36.1073,
11.0780


 44.9652, 36.1073,
11.0780


357.4187,
329.4293, 208.9585

 31.6312, 24.5171,
6.0045


 81.9056, 69.1976,
28.4432

 21.2341, 15.7176,
2.7790


 106.2426, 91.4666,
41.5719


 13.4087, 9.3246,
0.9829

 134.9781,
118.0638, 58.2228

 7.7895, 4.9535,
0.0000

 168.4773,
149.3738, 78.8144

 4.0112, 2.2200,
0.0000

 207.1056,
185.7810, 103.7652

 1.7085, 0.7309,
0.0000

251.2284,

 0.4616, 0.0000,

227.6697, 133.4938

0.0000

301.2109,
275.4243, 168.4187

■ 0.0000, 0.0000,
0.0000

■ 44.9652, 36.1073,
11.0780

■ 44.9652, 36.1073,
11.0780

■ 42.3837, 31.9907,
6.9928

■ 48.1323, 40.9147,
16.8420

■ 40.3381, 28.5219,
4.3921

■ 51.9236, 46.4408,
24.4458


■ 38.7639, 25.6572,
2.9926


■ 56.3768, 52.7186,
34.0334


■ 38.5941, 25.3432,
2.8576


■ 61.5254, 59.7772,
45.7338

■ 67.4006, 67.6439,
59.6650

 74.0314, 76.3446,
75.9362

 81.4453, 85.9040,
94.6495

 88.2522, 95.7792,
108.4436

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



52.2628, 36.1073, 21.6406



44.9652, 36.1073, 11.0780



35.6470, 36.1073, 7.8278

Triad

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



44.9652, 36.1073, 11.0780



19.8776, 36.1073, 35.6774



42.3000, 36.1073, 102.4814

Complementary

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



44.9652, 36.1073, 11.0780



33.4388, 38.2276, 85.7363

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.



33.0242, 36.1073, 111.6371



44.9652, 36.1073, 11.0780



21.0390, 36.1073, 64.6706

Square

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



44.9652, 36.1073, 11.0780



21.9996, 36.1073, 17.5589



25.5015, 36.1073, 95.5313



50.5461, 36.1073, 74.1653

Rectangle

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



44.9652, 36.1073, 11.0780



29.8957, 36.1073, 8.4129



25.5015, 36.1073, 95.5313



39.1583, 36.1073, 108.3120

Sweetspot

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



44.9660, 36.1092, 11.0787



77.9094, 77.6457, 66.4171



45.3327, 26.0858, 44.3628



16.2574, 16.0607, 13.2192



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.



44.9660, 36.1092, 11.0787



48.8731, 35.8181, 6.6570



60.5291, 67.2353, 16.2663



15.5351, 15.9932, 15.7869



21.1881, 14.0704, 1.5991



1.7540, 1.2854, 0.1557

Inverse Universe

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



33.4388, 38.2276, 85.7363



34.2912, 38.2016, 100.1740



22.2688, 15.8877, 82.0130



15.0085, 16.1034, 19.2395



14.1593, 14.9657, 45.8854



1.2042, 1.3598, 3.6339

Previews

White Background



This preview shows how the XYZ color 44.9652, 36.1073, 11.0780 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 44.9652, 36.1073, 11.0780 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 44.9652, 36.1073, 11.0780

Background



This preview shows how black text looks on a background with the XYZ color 44.9652, 36.1073, 11.0780.



This preview shows how white text looks on a background with the XYZ color 44.9652, 36.1073,

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

44.9652, 36.1073, 11.0780

Protanopia

33.2106, 36.3873, 13.2557

Deuteranopia

36.9869, 36.0974, 10.6483



Tritanopia

48.7133, 36.2363, 28.4716

Trichromacy



Original Color

44.9652, 36.1073, 11.0780

Protanomaly

36.6219, 35.6263, 12.3435

Deuteranomaly

39.5954, 35.7694, 10.7785

Tritanomaly

47.2810, 36.2656, 20.7276

Monochromacy



Original Color

44.9652, 36.1073, 11.0780

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.4564, 34.2565, 25.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9652, 36.1073, 11.0780 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(237, 136, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 136, 74)  
}
```

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(237, 136, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 136, 74) }
```

Border

The CSS property to change the border of an element to XYZ 44.9652, 36.1073, 11.0780 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(237, 136, 74) }
```


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

```
.border{ border-color:rgb(237, 136, 74) }
```

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

Here you see how a box with a 4 pixel rgb(237, 136, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 136, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 136, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 136,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9652, 36.1073, 11.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 136, 74) }
```

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

```
.background{ background-color: rgb(237,  
136, 74) }
```

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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