

Converting Colors

XYZ(50.1566, 44.8473, 14.6072)

Have a look what the booklet for
XYZ(50.1566, 44.8473, 14.6072)
contains.

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Color

**XYZ(50.1566, 44.8473,
14.6072)**

Conversions

Conversions Part 1

Format	Color
Hex	EFA255
RGB	239, 162, 85
RGB Percent	94%, 64%, 33%
CMY	0.0627, 0.3647, 0.6667
CMYK	0.00, 0.32, 0.64, 0.06
HSL	30°, 83%, 64%
HSV	30°, 64%, 94%
XYZ	50.1566, 44.8473, 14.6072
YIQ	176.2450, 70.6090, -7.6230

Conversions

Conversions Part 2

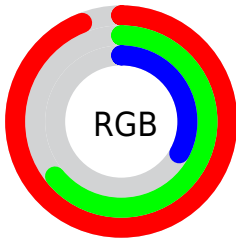
Format	Color
R _Y B	239, 239, 85
Decimal	15704661
CIE Lab	72.79, 21.33, 50.70
CIE LCh	73, 55.007, 67.187
Yxy	44.8473, 0.4576, 0.4091
Android (android.graphics.Color)	4293894741 (0xFFEFA255)
YUV	176.2450, -44.9838, 55.0361
Hunter-Lab	66.9681, 16.4955, 33.9453

Details

The XYZ color **50.1566, 44.8473, 14.6072** 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 **32.2458, 34.0021, 86.5243**, and the grayscale version is **41.5975, 43.7638, 47.6588**.

A 20% lighter version of the original color is **70.5682, 72.6919, 33.9785**, and **24.4551, 20.8511, 4.2491** is the 20% darker color. If you saturate the color by 10%, you get **47.3570, 40.5198, 9.7545**, and if you desaturate by 10%, it is **53.4789, 49.7076, 21.2163**.

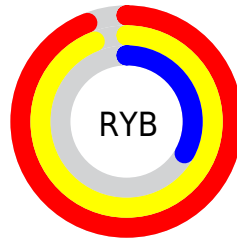
Distribution



Red (94%)

Green (64%)

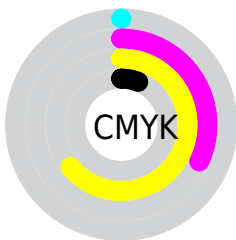
Blue (33%)



Red (94%)

Yellow (94%)

Blue (33%)

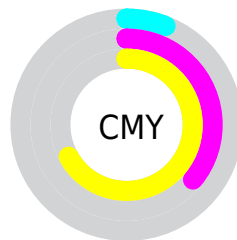


Cyan (0%)

Magenta (32%)

Yellow (64%)

Black (6%)



Cyan (6%)


Magenta (36%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1566, 44.8473, 14.6072 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 50.1566, 44.8473, 14.6072 by changing the saturation by 10% instead.


 50.1566, 44.8473,
14.6072

 50.1566, 44.8473,
14.6072


377.7199,
366.1548, 232.5345

 35.7562, 31.3372,
8.4006

 89.5973, 82.4912,
34.8951

 24.4152, 20.8557,
4.2609


 115.3682,
107.3938, 49.8135


 15.7683, 13.0186,
1.7696


 145.6601,
136.8626, 68.4730

 9.4501, 7.4413,
0.4078

 180.8382,
171.2822, 91.2920

 5.0954, 3.7396,
0.0000

 221.2678,
211.0367, 118.6891

 2.3387, 1.5290,
0.0000

267.3144,

 0.8143, 0.3090,

256.5108, 151.0829

0.0000

319.3433,
308.0886, 188.8918

■ 0.0000, 0.0000,
0.0000

■ 50.1566, 44.8473,
14.6072

■ 50.1566, 44.8473,
14.6072

■ 47.3570, 40.5198,
9.7545

■ 53.4789, 49.7076,
21.2163

■ 45.0375, 36.6936,
6.4758

■ 57.3552, 55.1163,
29.7343

■ 43.1522, 33.3430,
4.5526

■ 61.8174, 61.0961,
40.2997

■ 42.2539, 31.6657,
3.8851

■ 66.8940, 67.6664,
53.0375

■ 72.6112, 74.8452,
68.0624

■ 78.9935, 82.6499,
85.4812

■ 86.0643, 91.0968,
105.3937

■ 89.4063, 97.0906,
108.6359

Harmonies

Analogous

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



59.0088, 44.8473, 23.4253



50.1566, 44.8473, 14.6072



40.3676, 44.8473, 13.0124

Triad

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



50.1566, 44.8473, 14.6072



26.8676, 44.8473, 55.7172



54.7280, 44.8473, 103.9147

Complementary

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



50.1566, 44.8473, 14.6072



32.2458, 34.0021, 86.5243

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.



44.9671, 44.8473, 121.8846



50.1566, 44.8473, 14.6072



29.5963, 44.8473, 88.0560

Square

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



50.1566, 44.8473, 14.6072



27.8296, 44.8473, 31.1336



35.8896, 44.8473, 115.1955



61.9114, 44.8473, 72.2150

Rectangle

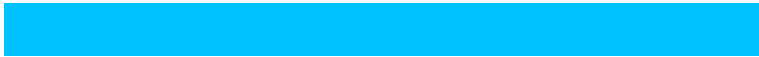
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.1566, 44.8473, 14.6072



34.7678, 44.8473, 15.3799



35.8896, 44.8473, 115.1955



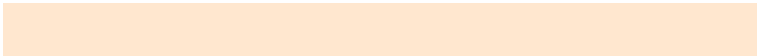
51.5871, 44.8473, 112.2125

Sweetspot

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



50.1576, 44.8496, 14.6080



80.9610, 82.7700, 70.4526



45.3667, 27.4566, 37.0913



16.9271, 17.2099, 14.0283



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.



50.1576, 44.8496, 14.6080



54.0491, 45.6295, 10.0489



68.1024, 80.7390, 20.5896



16.4258, 17.0648, 16.5778



23.4819, 17.7619, 2.1908



2.0530, 1.6766, 0.2154

Inverse Universe

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



32.2458, 34.0021, 86.5243



31.8590, 32.1913, 99.1421



22.5751, 14.6607, 83.3007



15.5502, 16.5345, 20.0935



12.4191, 11.0624, 46.6086



1.1326, 1.1193, 3.9106

Previews

White Background



This preview shows how the XYZ color 50.1566, 44.8473, 14.6072 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 50.1566, 44.8473, 14.6072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

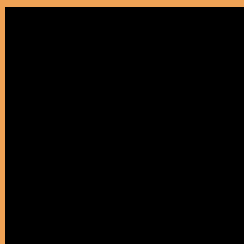
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1566, 44.8473, 14.6072

Background



This preview shows how black text looks on a background with the XYZ color 50.1566, 44.8473, 14.6072.



This preview shows how white text looks on a background with the XYZ color 50.1566, 44.8473,

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

50.1566, 44.8473, 14.6072

Protanopia

41.2971, 45.0013, 16.4071

Deuteranopia

45.7549, 44.7461, 14.4089



Tritanopia

55.7483, 44.8753, 40.8455

Trichromacy



Original Color

50.1566, 44.8473, 14.6072

Protanomaly

44.1873, 44.7545, 15.7608

Deuteranomaly

47.4139, 44.7715, 14.5303

Tritanomaly

53.2238, 44.5809, 28.7214

Monochromacy



Original Color

50.1566, 44.8473, 14.6072

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.0740, 43.2511, 32.0647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1566, 44.8473, 14.6072 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(239, 162, 85)` looks like.

```
.text, #text, p{  
    color:rgb(239, 162, 85)  
}
```

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(239, 162, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 162, 85) }
```

Border

The CSS property to change the border of an element to XYZ 50.1566, 44.8473, 14.6072 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(239, 162, 85) }
```


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

```
.border{ border-color:rgb(239, 162, 85) }
```

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

Here you see how a box with a 4 pixel rgb(239, 162, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 162, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 162, 85);  
box-shadow:4px 4px 4px 4px rgb(239, 162,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1566, 44.8473, 14.6072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 162, 85) }
```

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

```
.background{ background-color: rgb(239,  
162, 85) }
```

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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