

Converting Colors

XYZ(46.5850, 44.0148, 13.0918)

Have a look what the booklet for
XYZ(46.5850, 44.0148, 13.0918)
contains.

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Color

**XYZ(46.6543, 44.1392,
13.0819)**

Conversions

Conversions Part 1

Format	Color
Hex	E3A64D
RGB	227, 166, 77
RGB Percent	89%, 65%, 30%
CMY	0.1098, 0.3490, 0.6980
CMYK	0.00, 0.27, 0.66, 0.11
HSL	36°, 73%, 60%
HSV	36°, 66%, 89%
XYZ	46.6543, 44.1392, 13.0819
YIQ	174.0930, 64.9250, -14.7470

Conversions

Conversions Part 2

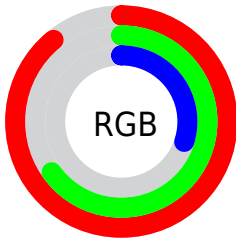
Format	Color
RYB	180, 227, 77
Decimal	14919245
CIELab	72.32, 13.72, 53.59
CIELCh	72, 55.318, 75.640
Yxy	44.1392, 0.4491, 0.4249
Android (android.graphics.Color)	4293109325 (0xFFE3A64D)
YUV	174.0930, -47.8668, 46.3994
Hunter-Lab	66.4373, 9.0827, 34.8316

Details

The XYZ color **46.6543, 44.1392, 13.0819** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.0136, 25.2995, 76.1847**, and the grayscale version is **40.4959, 42.6049, 46.3967**.

A 20% lighter version of the original color is **71.0589, 74.5579, 31.4148**, and **22.3204, 20.4213, 3.5759** is the 20% darker color. If you saturate the color by 10%, you get **44.3704, 40.6382, 9.0328**, and if you desaturate by 10%, it is **49.3403, 47.9973, 18.6451**.

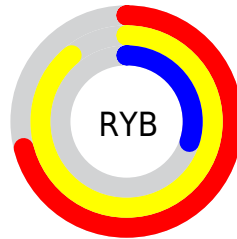
Distribution



Red (89%)

Green (65%)

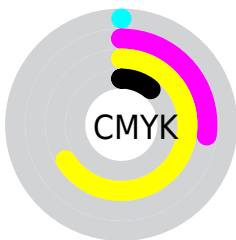
Blue (30%)



Red (71%)

Yellow (89%)

Blue (30%)

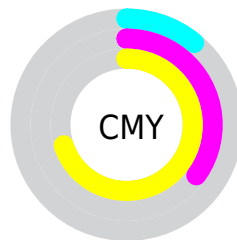


Cyan (0%)

Magenta (27%)

Yellow (66%)

Black (11%)



Cyan (11%)


Magenta (35%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6543, 44.1392, 13.0819 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 46.6543, 44.1392, 13.0819 by changing the saturation by 10% instead.


 46.6543, 44.1392,
13.0819

 46.6543, 44.1392,
13.0819


364.1049,
363.2760, 222.6681

 32.9693, 30.7800,
7.3536


 84.4193, 81.4272,
32.1442

 22.2620, 20.4314,
3.6024


 109.2299,
106.1247, 46.3152


 14.1672, 12.7090,
1.4099


 138.4797,
135.3704, 64.1376

 8.3195, 7.2285,
0.1494

 172.5342,
169.5487, 86.0298

 4.3536, 3.6054,
0.0000

 211.7586,
209.0441, 112.4104

 1.9041, 1.4554,
0.0000

256.5182,

 0.5792, 0.2570,

254.2408, 143.6980

0.0000

307.1786,
305.5233, 180.3110

■ 0.0000, 0.0000,
0.0000

■ 46.6543, 44.1392,
13.0819

■ 46.6543, 44.1392,
13.0819

■ 44.3704, 40.6382,
9.0328

■ 49.3403, 47.9973,
18.6451

■ 42.4524, 37.4704,
6.3334

■ 52.4538, 52.2213,
25.8584

■ 40.8608, 34.6178,
4.7840

■ 56.0216, 56.8274,
34.8455

■ 40.2998, 33.5738,
4.3564

■ 60.0667, 61.8284,
45.7174

■ 64.6107, 67.2367,
58.5760

■ 69.6734, 73.0636,
73.5157

■ 75.2738, 79.3201,
90.6250

■ 80.8441, 85.7825,
106.9045

■ 83.6287, 91.3516,
107.8327

Harmonies

Analogous

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



56.0827, 44.1392, 19.4970



46.6543, 44.1392, 13.0819



37.2133, 44.1392, 13.2094

Triad

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



46.6543, 44.1392, 13.0819



26.6911, 44.1392, 63.6079



56.4338, 44.1392, 94.7685

Complementary

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



46.6543, 44.1392, 13.0819



26.0136, 25.2995, 76.1847

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.



47.0789, 44.1392, 118.1987



46.6543, 44.1392, 13.0819



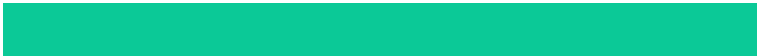
30.4214, 44.1392, 96.0747

Square

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



46.6543, 44.1392, 13.0819



26.6130, 44.1392, 36.2049



37.5786, 44.1392, 118.7510



62.2809, 44.1392, 62.2561

Rectangle

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



46.6543, 44.1392, 13.0819



32.1735, 44.1392, 16.8240



37.5786, 44.1392, 118.7510



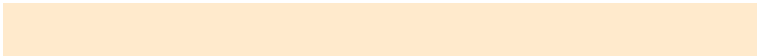
53.5370, 44.1392, 104.4298

Sweetspot

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



46.6553, 44.1414, 13.0828



81.6366, 84.6146, 69.1563



39.0293, 23.5176, 27.1008



17.1173, 17.6862, 13.7964



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.



46.6553, 44.1414, 13.0828



56.8552, 51.4419, 10.3676



56.6861, 69.8450, 17.5154



15.0844, 15.7827, 15.1558



23.6205, 19.8152, 2.5798



1.8362, 1.6457, 0.2209

Inverse Universe

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



26.0136, 25.2995, 76.1847



28.2763, 25.4499, 98.0297



20.6872, 13.0029, 74.0919



14.0616, 14.8446, 18.2685



10.4414, 7.9449, 43.3664



0.8609, 0.7658, 3.2344

Previews

White Background



This preview shows how the XYZ color 46.6543, 44.1392, 13.0819 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 46.6543, 44.1392, 13.0819 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 46.6543, 44.1392, 13.0819

Background



This preview shows how black text looks on a background with the XYZ color 46.6543, 44.1392, 13.0819.



This preview shows how white text looks on a background with the XYZ color 46.6543, 44.1392,

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

46.6543, 44.1392, 13.0819

Protanopia

40.4316, 44.3052, 14.2054

Deuteranopia

45.0077, 44.1134, 12.9801



Tritanopia

52.8880, 44.0965, 42.7698

Trichromacy



Original Color

46.6543, 44.1392, 13.0819

Protanomaly

42.5964, 44.2612, 13.8876

Deuteranomaly

45.7386, 44.2150, 12.9612

Tritanomaly

49.8990, 43.8798, 28.7614

Monochromacy



Original Color

46.6543, 44.1392, 13.0819

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.2154, 42.3274, 30.4238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6543, 44.1392, 13.0819 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(227, 166, 77)` looks like.

```
.text, #text, p{  
    color:rgb(227, 166, 77)  
}
```

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(227, 166, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 166, 77) }
```

Border

The CSS property to change the border of an element to XYZ 46.6543, 44.1392, 13.0819 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(227, 166, 77) }
```


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

```
.border{ border-color:rgb(227, 166, 77) }
```

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

Here you see how a box with a 4 pixel rgb(227, 166, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 166, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 166, 77);  
box-shadow:4px 4px 4px 4px rgb(227, 166,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6543, 44.1392, 13.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 166, 77) }
```

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

```
.background{ background-color: rgb(227,  
166, 77) }
```

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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