

Converting Colors

XYZ(46.5386, 44.3365, 13.7591)

Have a look what the booklet for
XYZ(46.5386, 44.3365, 13.7591)
contains.

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Color

**XYZ(46.6307, 44.3854,
13.6989)**

Conversions

Conversions Part 1

Format	Color
Hex	E2A750
RGB	226, 167, 80
RGB Percent	89%, 65%, 31%
CMY	0.1137, 0.3451, 0.6863
CMYK	0.00, 0.26, 0.65, 0.11
HSL	36°, 72%, 60%
HSV	36°, 65%, 89%
XYZ	46.6307, 44.3854, 13.6989
YIQ	174.7230, 63.0910, -14.5490

Conversions

Conversions Part 2

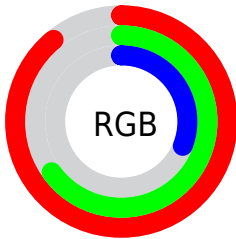
Format	Color
RYB	179, 226, 80
Decimal	14853968
CIELab	72.49, 12.95, 52.34
CIElCh	72, 53.922, 76.107
Yxy	44.3854, 0.4453, 0.4239
Android (android.graphics.Color)	4293044048 (0xFFE2A750)
YUV	174.7230, -46.6984, 44.9699
Hunter-Lab	66.6224, 8.3476, 34.4444

Details

The XYZ color **46.6307, 44.3854, 13.6989** 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 **26.2678, 25.6604, 75.5195**, and the grayscale version is **40.8163, 42.9419, 46.7637**.

A 20% lighter version of the original color is **71.5261, 75.1685, 32.5689**, and **22.2649, 20.5561, 3.8311** is the 20% darker color. If you saturate the color by 10%, you get **44.3178, 40.8789, 9.4783**, and if you desaturate by 10%, it is **49.3445, 48.2448, 19.4390**.

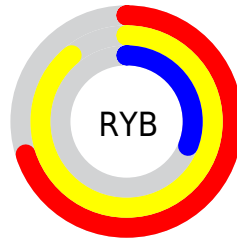
Distribution



Red (89%)

Green (65%)

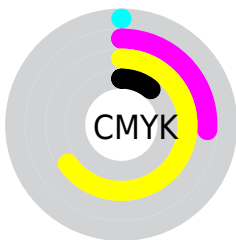
Blue (31%)



Red (70%)

Yellow (89%)

Blue (31%)

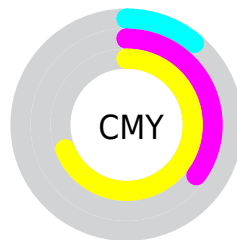


Cyan (0%)

Magenta (26%)

Yellow (65%)

Black (11%)



Cyan (11%)


Magenta (35%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6307, 44.3854, 13.6989 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 46.6307, 44.3854, 13.6989 by changing the saturation by 10% instead.


 46.6307, 44.3854,
13.6989

 46.6307, 44.3854,
13.6989


364.0121,
364.2787, 226.7125


 32.9505, 30.9736,
7.7752


 84.3842, 81.7974,
33.2632

 22.2476, 20.5788,
3.8657


 109.1883,
106.5663, 47.7409


 14.1566, 12.8164,
1.5520


 138.4310,
135.8898, 65.9070

 8.3121, 7.3023,
0.2562

 172.4777,
170.1522, 88.1800

 4.3488, 3.6518,
0.0000

 211.6939,
209.7379, 114.9786

 1.9013, 1.4808,
0.0000

256.4447,

 0.5776, 0.2751,

255.0312, 146.7211

0.0000

307.0957,
306.4167, 183.8262

■ 0.0000, 0.0000,
0.0000

■ 46.6307, 44.3854,
13.6989

■ 46.6307, 44.3854,
13.6989

■ 44.3178, 40.8789,
9.4783

■ 49.3445, 48.2448,
19.4390

■ 42.3710, 37.7023,
6.6188

■ 52.4840, 52.4656,
26.8305

■ 40.7527, 34.8382,
4.9309

■ 56.0749, 57.0633,
35.9938

■ 39.9832, 33.4073,
4.3409

■ 60.1399, 62.0507,
47.0372

■ 64.7000, 67.4397,
60.0603

■ 69.7747, 73.2413,
75.1557

■ 75.3824, 79.4662,
92.4099

■ 80.5921, 85.7453,
106.9106

■ 83.3495, 91.2599,
107.8297

Harmonies

Analogous

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



55.8481, 44.3854, 20.0070



46.6307, 44.3854, 13.6989



37.4150, 44.3854, 13.9213

Triad

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



46.6307, 44.3854, 13.6989



27.2257, 44.3854, 63.9847



56.4397, 44.3854, 93.2736

Complementary

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



46.6307, 44.3854, 13.6989



26.2678, 25.6604, 75.5195

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.



47.3484, 44.3854, 116.1709



46.6307, 44.3854, 13.6989



30.9578, 44.3854, 95.4611

Square

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



46.6307, 44.3854, 13.6989



27.0922, 44.3854, 37.0387



38.0350, 44.3854, 117.0931



62.0494, 44.3854, 61.7059

Rectangle

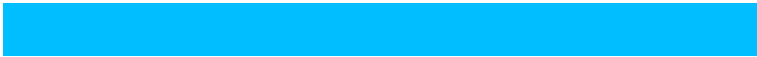
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6307, 44.3854, 13.6989



32.4968, 44.3854, 17.6241



38.0350, 44.3854, 117.0931



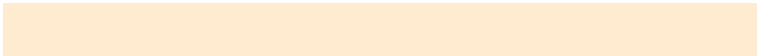
53.6342, 44.3854, 102.6766

Sweetspot

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



46.6317, 44.3876, 13.6998



82.2771, 85.4021, 70.8912



39.0280, 23.8245, 27.6763



17.2451, 17.8461, 14.1344



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.



46.6317, 44.3876, 13.6998



57.2144, 52.0628, 10.7878



56.3270, 69.2426, 17.9863



14.3830, 15.0519, 14.4540



22.9299, 19.2977, 2.5163



1.6765, 1.5119, 0.2035

Inverse Universe

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



26.2678, 25.6604, 75.5195



28.5569, 25.8045, 98.0834



21.0267, 13.5126, 73.4510



13.4044, 14.1480, 17.4120



10.0909, 7.6513, 41.9934



0.7856, 0.7027, 2.9395

Previews

White Background



This preview shows how the XYZ color 46.6307, 44.3854, 13.6989 looks on a white background.

Color Contrast Check

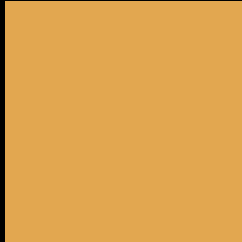
Large Text (above 18pt) WCAG AA × Fail

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 46.6307, 44.3854, 13.6989 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 46.6307, 44.3854, 13.6989

Background



This preview shows how black text looks on a background with the XYZ color 46.6307, 44.3854, 13.6989.



This preview shows how white text looks on a background with the XYZ color 46.6307, 44.3854,

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

46.6307, 44.3854, 13.6989

Protanopia

40.5466, 44.3512, 14.8111

Deuteranopia

45.4180, 44.3126, 13.5565



Tritanopia

52.8227, 44.3022, 43.3032

Trichromacy



Original Color

46.6307, 44.3854, 13.6989

Protanomaly

42.7098, 44.3065, 14.4846

Deuteranomaly

45.8453, 44.2578, 13.5234

Tritanomaly

49.8934, 44.1189, 29.5530

Monochromacy



Original Color

46.6307, 44.3854, 13.6989

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.7343, 42.8678, 30.8856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6307, 44.3854, 13.6989 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(226, 167, 80)` looks like.

```
.text, #text, p{  
    color:rgb(226, 167, 80)  
}
```

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(226, 167, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 167, 80) }
```

Border

The CSS property to change the border of an element to XYZ 46.6307, 44.3854, 13.6989 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(226, 167, 80) }
```


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

```
.border{ border-color:rgb(226, 167, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 167, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 167, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 167, 80);  
box-shadow:4px 4px 4px 4px rgb(226, 167,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6307, 44.3854, 13.6989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 167, 80) }
```

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

```
.background{ background-color: rgb(226,  
167, 80) }
```

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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