

Converting Colors

XYZ(46.9010, 44.7542, 15.8397)

Have a look what the booklet for
XYZ(46.9010, 44.7542, 15.8397)
contains.

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Color

**XYZ(46.8994, 44.7510,
15.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	E1A85A
RGB	225, 168, 90
RGB Percent	88%, 66%, 35%
CMY	0.1176, 0.3412, 0.6470
CMYK	0.00, 0.25, 0.60, 0.12
HSL	35°, 69%, 62%
HSV	35°, 60%, 88%
XYZ	46.8994, 44.7510, 15.8388
YIQ	176.1510, 59.0100, -12.1740

Conversions

Conversions Part 2

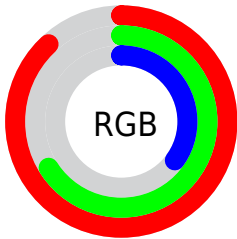
Format	Color
R_{YB}	189, 225, 90
Decimal	14788698
CIE _{Lab}	72.73, 12.66, 47.79
CIE _{LCh}	73, 49.442, 75.165
Yxy	44.7510, 0.4363, 0.4163
Android (android.graphics.Color)	4292978778 (0xFFE1A85A)
YUV	176.1510, -42.4724, 42.8406
Hunter-Lab	66.8962, 8.0740, 32.7894

Details

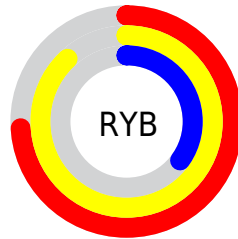
The XYZ color **46.8994, 44.7510, 15.8388** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **28.2402, 28.4760, 75.2417**, and the grayscale version is **41.5398, 43.7031, 47.5926**.

A 20% lighter version of the original color is **72.5102, 75.9883, 36.4367**, and **22.3543, 20.7510, 4.8346** is the 20% darker color. If you saturate the color by 10%, you get **44.3929, 41.0458, 10.9724**, and if you desaturate by 10%, it is **49.8259, 48.8327, 22.2758**.

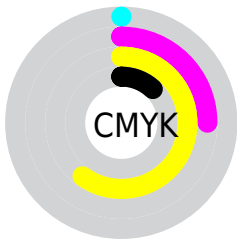
Distribution



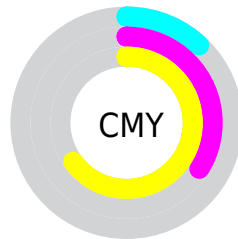
- Red (88%)
- Green (66%)
- Blue (35%)



- Red (74%)
- Yellow (88%)
- Blue (35%)



- Cyan (0%)
- Magenta (25%)
- Yellow (60%)
- Black (12%)





- Cyan (12%)
- Magenta (34%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8994, 44.7510, 15.8388 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 46.8994, 44.7510, 15.8388 by changing the saturation by 10% instead.


 46.8994, 44.7510,
15.8388


 46.8994, 44.7510,
15.8388


365.0685,
365.7642, 240.2018

 33.1637, 31.2613,
9.2570


 84.7831, 82.3466,
37.0810

 22.4118, 20.7979,
4.8101


 109.6618,
107.2214, 52.5785

 14.2781, 12.9764,
2.0795


 138.9857,
136.6600, 71.8851

 8.3973, 7.4123,
0.6035

 173.1199,
171.0468, 95.4192

 4.4041, 3.7213,
0.0000

212.4300,
210.7662, 123.5993

 1.9332, 1.5189,
0.0000

257.2812,

 0.5960, 0.3020,

256.2027, 156.8441

0.0000

308.0389,
307.7405, 195.5721

■ 0.0000, 0.0000,
0.0000

■ 46.8994, 44.7510,
15.8388

■ 46.8994, 44.7510,
15.8388

■ 44.3929, 41.0458,
10.9724

■ 49.8259, 48.8327,
22.2758

■ 42.2736, 37.6944,
7.5305

■ 53.1957, 53.2992,
30.4065

■ 40.5073, 34.6803,
5.3437

■ 57.0335, 58.1662,
40.3447

■ 39.0351, 31.9754,
4.1146

■ 61.3614, 63.4465,
52.1934

■ 39.0349, 31.9751,
4.1144

■ 66.1997, 69.1521,
66.0478

■ 71.5673, 75.2944,
81.9968

■ 77.4824, 81.8843,
100.1237

■ 81.4514, 87.9279,
107.2866

■ 84.3837, 93.7926,
108.2640

Harmonies

Analogous

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



55.2579, 44.7510, 22.3150



46.8994, 44.7510, 15.8388



38.3632, 44.7510, 15.8722

Triad

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



46.8994, 44.7510, 15.8388



28.5166, 44.7510, 62.1602



55.3381, 44.7510, 90.2038

Complementary

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



46.8994, 44.7510, 15.8388



28.2402, 28.4760, 75.2417

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.



46.9977, 44.7510, 110.0290



46.8994, 44.7510, 15.8388



31.9314, 44.7510, 90.4950

Square

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



46.8994, 44.7510, 15.8388



28.4977, 44.7510, 37.6035



38.4492, 44.7510, 110.1506



60.5570, 44.7510, 61.8508

Rectangle

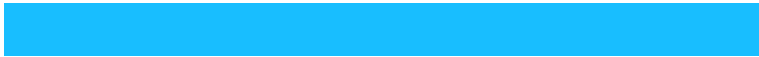
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.8994, 44.7510, 15.8388



33.7234, 44.7510, 19.4098



38.4492, 44.7510, 110.1506



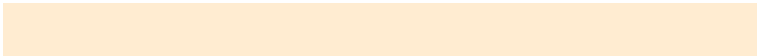
52.7604, 44.7510, 98.4515

Sweetspot

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



46.9005, 44.7532, 15.8397



82.6477, 85.6418, 72.5611



40.0925, 25.4742, 31.0292



17.3068, 17.8720, 14.4550



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.



46.9005, 44.7532, 15.8397



58.2088, 53.3573, 13.2598



57.0894, 69.1872, 20.0189



14.3617, 15.0093, 14.4469



22.6119, 18.6617, 2.4103



1.6554, 1.4697, 0.1964

Inverse Universe

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



28.2402, 28.4760, 75.2417



31.4116, 30.0420, 98.7509



22.3927, 15.4017, 73.0263



13.4253, 14.1897, 17.4190



10.2992, 8.0680, 42.0628



0.8011, 0.7336, 2.9446

Previews

White Background



This preview shows how the XYZ color 46.8994, 44.7510, 15.8388 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 46.8994, 44.7510, 15.8388 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 46.8994, 44.7510, 15.8388

Background



This preview shows how black text looks on a background with the XYZ color 46.8994, 44.7510, 15.8388.



This preview shows how white text looks on a background with the XYZ color 46.8994, 44.7510,

15.8388.

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

46.8994, 44.7510, 15.8388

Protanopia

41.1664, 44.9187, 17.0901

Deuteranopia

45.6931, 44.6864, 15.6682



Tritanopia

52.7038, 44.7255, 44.3832

Trichromacy



Original Color

46.8994, 44.7510, 15.8388

Protanomaly

43.0379, 44.7157, 16.7186

Deuteranomaly

46.1153, 44.6268, 15.6345

Tritanomaly

50.1159, 44.4517, 31.5298

Monochromacy



Original Color

46.8994, 44.7510, 15.8388

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.3025, 43.4008, 32.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8994, 44.7510, 15.8388 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(225, 168, 90)` looks like.

```
.text, #text, p{  
    color:rgb(225, 168, 90)  
}
```

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(225, 168, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 168, 90) }
```

Border

The CSS property to change the border of an element to XYZ 46.8994, 44.7510, 15.8388 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(225, 168, 90) }
```


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

```
.border{ border-color:rgb(225, 168, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 168, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 168, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 168, 90);  
box-shadow:4px 4px 4px 4px rgb(225, 168,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8994, 44.7510, 15.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 168, 90) }
```

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

```
.background{ background-color: rgb(225,  
168, 90) }
```

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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