

Converting Colors

XYZ(45.4750, 41.7598, 9.6666)

Have a look what the booklet for
XYZ(45.4750, 41.7598, 9.6666)
contains.

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Color

**XYZ(45.4750, 41.7598,
9.6666)**

Conversions

Conversions Part 1

Format	Color
Hex	E59F3A
RGB	229, 159, 58
RGB Percent	90%, 62%, 23%
CMY	0.1020, 0.3764, 0.7725
CMYK	0.00, 0.31, 0.75, 0.10
HSL	35°, 77%, 56%
HSV	35°, 75%, 90%
XYZ	45.4750, 41.7598, 9.6666
YIQ	168.4160, 74.1410, -16.5710

Conversions

Conversions Part 2

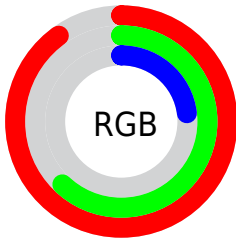
Format	Color
RYB	177, 229, 58
Decimal	15048506
CIELab	70.70, 17.34, 60.27
CIELCh	71, 62.714, 73.953
Yxy	41.7598, 0.4693, 0.4310
Android (android.graphics.Color)	4293238586 (0xFFE59F3A)
YUV	168.4160, -54.4351, 53.1322
Hunter-Lab	64.6218, 12.5240, 36.3662

Details

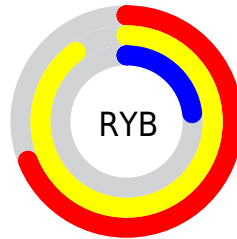
The XYZ color **45.4750, 41.7598, 9.6666** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **23.6065, 21.9940, 77.1294**, and the grayscale version is **37.6591, 39.6204, 43.1466**.

A 20% lighter version of the original color is **68.1558, 70.5008, 25.0547**, and **21.7247, 19.1601, 2.5533** is the 20% darker color. If you saturate the color by 10%, you get **43.4657, 38.4756, 6.7338**, and if you desaturate by 10%, it is **47.8674, 45.3963, 14.0050**.

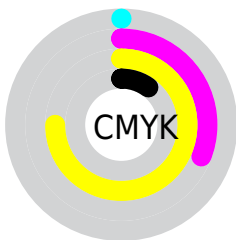
Distribution



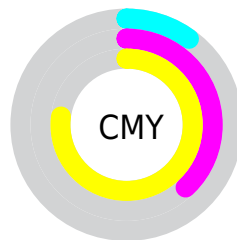
- Red (90%)
- Green (62%)
- Blue (23%)



- Red (69%)
- Yellow (90%)
- Blue (23%)



- Cyan (0%)
- Magenta (31%)
- Yellow (75%)
- Black (10%)





- Cyan (10%)
- Magenta (38%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4750, 41.7598, 9.6666 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 45.4750, 41.7598, 9.6666 by changing the saturation by 10% instead.


 45.4750, 41.7598,
9.6666

 45.4750, 41.7598,
9.6666


359.4453,
353.4862, 198.6733

 32.0346, 28.9133,
5.0758


 82.6654, 77.8360,
25.7644

 21.5436, 19.0152,
2.2323


 107.1462,
101.8344, 38.1085


 13.6367, 11.6813,
0.6929


 136.0377,
130.3189, 53.8741

 7.9484, 6.5270,
0.0000

 169.7055,
163.6738, 73.4797

 4.1135, 3.1681,
0.0000

 208.5147,
202.2836, 97.3439

 1.7665, 1.2201,
0.0000

 252.8309,

 0.4974, 0.0780,

246.5327, 125.8852

0.0000

303.0193,
296.8055, 159.5221

■ 0.0000, 0.0000,
0.0000

■ 45.4750, 41.7598,
9.6666

■ 45.4750, 41.7598,
9.6666

■ 43.4657, 38.4756,
6.7338

■ 47.8674, 45.3963,
14.0050

■ 41.7966, 35.5170,
5.0069

■ 50.6730, 49.3961,
19.9079

■ 41.0138, 34.0597,
4.4125

■ 53.9216, 53.7770,
27.5153

■ 57.6390, 58.5531,
36.9507

■ 61.8487, 63.7378,
48.3262

■ 66.5723, 69.3433,
61.7446

■ 71.8303, 75.3814,
77.3016

■ 77.6416, 81.8634,
95.0868

■ 82.5237, 88.1996,
107.2825

Harmonies

Analogous

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



55.8840, 41.7598, 16.1935



45.4750, 41.7598, 9.6666



35.0658, 41.7598, 9.4751

Triad

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



45.4750, 41.7598, 9.6666



23.2862, 41.7598, 60.7106



55.2378, 41.7598, 100.3609

Complementary

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



45.4750, 41.7598, 9.6666



23.6065, 21.9940, 77.1294

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.



44.7070, 41.7598, 126.6856



45.4750, 41.7598, 9.6666



26.9744, 41.7598, 97.8747

Square

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



45.4750, 41.7598, 9.6666



23.4189, 41.7598, 31.4142



34.4203, 41.7598, 125.6169



62.1575, 41.7598, 63.1932

Rectangle

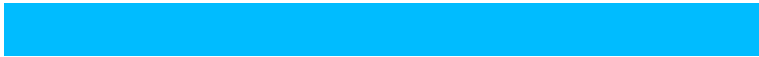
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.4750, 41.7598, 9.6666



29.5448, 41.7598, 12.6034



34.4203, 41.7598, 125.6169



51.9299, 41.7598, 111.3717

Sweetspot

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



45.4760, 41.7619, 9.6674



80.4042, 83.1129, 65.7766



37.8053, 21.2760, 22.9707



16.8727, 17.3840, 13.1384



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.



45.4760, 41.7619, 9.6674



54.1763, 46.8431, 7.1345



56.7338, 70.7531, 14.6699



15.0811, 15.7760, 15.1547



23.5711, 19.7163, 2.5633



1.8327, 1.6387, 0.2197

Inverse Universe

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



23.6065, 21.9940, 77.1294



25.1127, 20.7317, 97.2858



18.3473, 10.0710, 75.1052



14.0649, 14.8511, 18.2696



10.4730, 8.0080, 43.3769



0.8634, 0.7708, 3.2352

Previews

White Background



This preview shows how the XYZ color 45.4750, 41.7598, 9.6666 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 45.4750, 41.7598, 9.6666 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 45.4750, 41.7598, 9.6666

Background



This preview shows how black text looks on a background with the XYZ color 45.4750, 41.7598, 9.6666.



This preview shows how white text looks on a background with the XYZ color 45.4750, 41.7598,

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

45.4750, 41.7598, 9.6666

Protanopia

38.2537, 42.0892, 10.6653

Deuteranopia

42.7842, 41.9475, 9.5831



Tritanopia

51.3536, 41.6951, 38.5990

Trichromacy



Original Color

45.4750, 41.7598, 9.6666

Protanomaly

40.7624, 41.9783, 10.3691

Deuteranomaly

43.6545, 41.8619, 9.6502

Tritanomaly

48.5707, 41.5362, 24.1962

Monochromacy



Original Color

45.4750, 41.7598, 9.6666

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.5866, 39.4159, 25.9964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4750, 41.7598, 9.6666 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(229, 159, 58)` looks like.

```
.text, #text, p{  
    color:rgb(229, 159, 58)  
}
```

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(229, 159, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 159, 58) }
```

Border

The CSS property to change the border of an element to XYZ 45.4750, 41.7598, 9.6666 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(229, 159, 58) }
```


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

```
.border{ border-color:rgb(229, 159, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 159, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 159, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 159, 58);  
box-shadow:4px 4px 4px 4px rgb(229, 159,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4750, 41.7598, 9.6666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 159, 58) }
```

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

```
.background{ background-color: rgb(229,  
159, 58) }
```

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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