

Converting Colors

XYZ(45.8884, 41.1025, 9.6052)

Have a look what the booklet for
XYZ(45.8884, 41.1025, 9.6052)
contains.

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Color

**XYZ(45.9566, 41.2485,
9.6773)**

Conversions

Conversions Part 1

Format	Color
Hex	E89C3B
RGB	232, 156, 59
RGB Percent	91%, 61%, 23%
CMY	0.0902, 0.3882, 0.7686
CMYK	0.00, 0.33, 0.75, 0.09
HSL	34°, 79%, 57%
HSV	34°, 75%, 91%
XYZ	45.9566, 41.2485, 9.6773
YIQ	167.6660, 76.4330, -14.0550

Conversions

Conversions Part 2

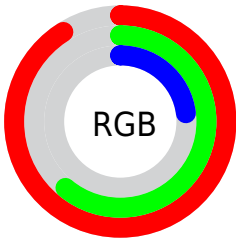
Format	Color
R_{YB}	195, 232, 59
Decimal	15244347
CIE _{Lab}	70.35, 20.24, 59.62
CIE _{LCh}	70, 62.967, 71.247
Yxy	41.2485, 0.4744, 0.4258
Android (android.graphics.Color)	4293434427 (0xFFE89C3B)
YUV	167.6660, -53.5723, 56.4209
Hunter-Lab	64.2250, 15.3331, 36.0238

Details

The XYZ color **45.9566, 41.2485, 9.6773** 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 **25.0327, 24.0830, 79.6725**, and the grayscale version is **37.2847, 39.2265, 42.7176**.

A 20% lighter version of the original color is **67.4589, 69.0184, 25.0956**, and **21.8462, 18.7611, 2.4698** is the 20% darker color. If you saturate the color by 10%, you get **43.8444, 37.7827, 6.6353**, and if you desaturate by 10%, it is **48.4814, 45.1123, 14.1756**.

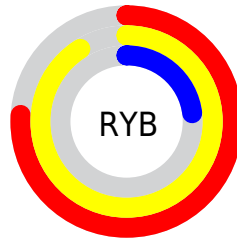
Distribution



Red (91%)

Green (61%)

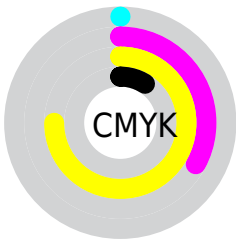
Blue (23%)



Red (76%)

Yellow (91%)

Blue (23%)

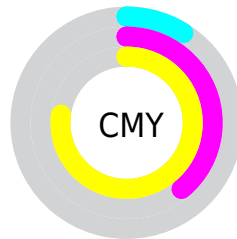


Cyan (0%)

Magenta (33%)

Yellow (75%)

Black (9%)



Cyan (9%)


Magenta (39%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9566, 41.2485, 9.6773 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 45.9566, 41.2485, 9.6773 by changing the saturation by 10% instead.


 45.9566, 41.2485,
9.6773


 45.9566, 41.2485,
9.6773


361.3530,
351.3581, 198.7535


 32.4161, 28.5133,
5.0827


 83.3823, 77.0610,
25.7850

 21.8366, 18.7130,
2.2363


 107.9982,
100.9071, 38.1352

 13.8528, 11.4631,
0.6952


 137.0365,
129.2256, 53.9077

 8.0994, 6.3792,
0.0000

 170.8627,
162.4009, 73.5210

 4.2109, 3.0770,
0.0000

 209.8421,
200.8174, 97.3938

 1.8221, 1.1721,
0.0000

254.3400,

 0.5310, 0.0387,

244.8595, 125.9444

0.0000

304.7219,
294.9116, 159.5915

■ 0.0000, 0.0000,
0.0000

■ 45.9566, 41.2485,
9.6773

■ 45.9566, 41.2485,
9.6773

■ 43.8444, 37.7827,
6.6353

■ 48.4814, 45.1123,
14.1756

■ 42.0999, 34.6864,
4.8437

■ 51.4507, 49.3873,
20.2945

■ 41.2728, 33.1443,
4.2222

■ 54.8959, 54.0928,
28.1785

■ 58.8442, 59.2449,
37.9553

■ 63.3203, 64.8583,
49.7406

■ 68.3474, 70.9471,
63.6408

■ 73.9468, 77.5245,
79.7547

■ 80.1389, 84.6031,
98.1749

■ 84.8120, 91.3427,
107.7686

Harmonies

Analogous

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



56.1499, 41.2485, 16.8439



45.9566, 41.2485, 9.6773



35.4511, 41.2485, 8.9998

Triad

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



45.9566, 41.2485, 9.6773



22.7487, 41.2485, 56.9695



53.8421, 41.2485, 102.8285

Complementary

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



45.9566, 41.2485, 9.6773



25.0327, 24.0830, 79.6725

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.



43.2159, 41.2485, 127.1957



45.9566, 41.2485, 9.6773



26.0670, 41.2485, 93.9351

Square

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



45.9566, 41.2485, 9.6773



23.2209, 41.2485, 28.9704



33.1502, 41.2485, 123.3700



61.2268, 41.2485, 65.8368

Rectangle

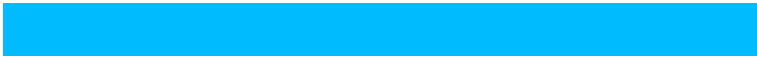
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9566, 41.2485, 9.6773



29.7630, 41.2485, 11.6860



33.1502, 41.2485, 123.3700



50.4595, 41.2485, 113.3724

Sweetspot

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



45.9575, 41.2506, 9.6781



79.9334, 82.1712, 65.6197



39.3473, 22.0859, 25.8003



16.7614, 17.1614, 13.1013



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.



45.9575, 41.2506, 9.6781



53.2226, 44.8889, 6.9610



60.1851, 73.7722, 15.2055



15.0440, 15.7020, 15.1423



23.0408, 18.6557, 2.3865



1.7948, 1.5629, 0.2071

Inverse Universe

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



25.0327, 24.0830, 79.6725



26.2160, 22.8391, 97.6344



18.4893, 10.1709, 77.3321



14.1012, 14.9237, 18.2817



10.8398, 8.7418, 43.4992



0.8922, 0.8284, 3.2448

Previews

White Background



This preview shows how the XYZ color 45.9566, 41.2485, 9.6773 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 45.9566, 41.2485, 9.6773 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 45.9566, 41.2485, 9.6773

Background



This preview shows how black text looks on a background with the XYZ color 45.9566, 41.2485, 9.6773.



This preview shows how white text looks on a background with the XYZ color 45.9566, 41.2485,

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

45.9566, 41.2485, 9.6773

Protanopia

37.8613, 41.5948, 10.8836

Deuteranopia

42.3082, 41.4354, 9.5093



Tritanopia

51.6246, 41.1692, 37.1238

Trichromacy



Original Color

45.9566, 41.2485, 9.6773

Protanomaly

40.4203, 41.2506, 10.3892

Deuteranomaly

43.6076, 41.3147, 9.5471

Tritanomaly

48.9496, 41.0260, 23.4281

Monochromacy



Original Color

45.9566, 41.2485, 9.6773

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.6576, 39.1858, 25.9482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9566, 41.2485, 9.6773 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(232, 156, 59)` looks like.

```
.text, #text, p{  
    color:rgb(232, 156, 59)  
}
```

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(232, 156, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 156, 59) }
```

Border

The CSS property to change the border of an element to XYZ 45.9566, 41.2485, 9.6773 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(232, 156, 59) }
```


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

```
.border{ border-color:rgb(232, 156, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 156, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 156, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 156, 59);  
box-shadow:4px 4px 4px 4px rgb(232, 156,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9566, 41.2485, 9.6773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 156, 59) }
```

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

```
.background{ background-color: rgb(232,  
156, 59) }
```

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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