

Converting Colors

XYZ(45.6428, 45.8260, 15.8347)

Have a look what the booklet for
XYZ(45.6428, 45.8260, 15.8347)
contains.

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Color

**XYZ(45.5545, 45.7451,
15.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AE59
RGB	217, 174, 89
RGB Percent	85%, 68%, 35%
CMY	0.1490, 0.3176, 0.6510
CMYK	0.00, 0.20, 0.59, 0.15
HSL	40°, 63%, 60%
HSV	40°, 59%, 85%
XYZ	45.5545, 45.7451, 15.8799
YIQ	177.1670, 52.9130, -17.3190

Conversions

Conversions Part 2

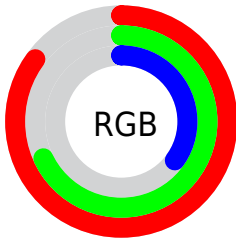
Format	Color
RYB	154, 217, 89
Decimal	14265945
CIELab	73.38, 6.03, 48.83
CIELCh	73, 49.199, 82.955
Yxy	45.7451, 0.4250, 0.4268
Android (android.graphics.Color)	4292456025 (0xFFD9AE59)
YUV	177.1670, -43.4663, 34.9335
Hunter-Lab	67.6351, 1.8642, 33.4240

Details

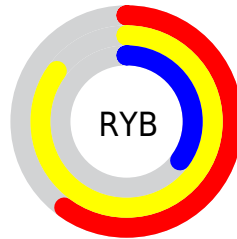
The XYZ color **45.5545, 45.7451, 15.8799** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.8951, 23.6352, 68.8952**, and the grayscale version is **42.0806, 44.2721, 48.2123**.

A 20% lighter version of the original color is **74.0670, 79.2217, 36.5869**, and **21.6075, 21.4299, 4.8313** is the 20% darker color. If you saturate the color by 10%, you get **43.4043, 42.6943, 11.3111**, and if you desaturate by 10%, it is **48.0519, 49.0605, 21.8902**.

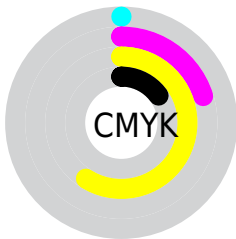
Distribution



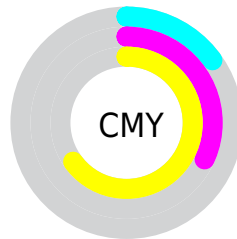
- Red (85%)
- Green (68%)
- Blue (35%)



- Red (60%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (20%)
- Yellow (59%)
- Black (15%)




- Cyan (15%)
- Magenta (32%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5545, 45.7451, 15.8799 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 45.5545, 45.7451, 15.8799 by changing the saturation by 10% instead.


 45.5545, 45.7451,
15.8799


 45.5545, 45.7451,
15.8799


359.7607,
369.7829, 240.4535

 32.0975, 32.0447,
9.2858


 82.7838, 83.8374,
37.1535

 21.5919, 21.3957,
4.8287


 107.2869,
108.9981, 52.6700

 13.6723, 13.4135,
2.0901

 136.2028,
138.7477, 71.9977

 7.9733, 7.7139,
0.6099

 169.8967,
173.4706, 95.5552

 4.1295, 3.9124,
0.0000

208.7341,
213.5511, 123.7610

 1.7757, 1.6247,
0.0000

253.0804,

 0.5029, 0.3742,

259.3738, 157.0336

0.0000

303.3008,
311.3229, 195.7916

■ 0.0000, 0.0000,
0.0000

■ 45.5545, 45.7451,
15.8799

■ 45.5545, 45.7451,
15.8799

■ 43.4043, 42.6943,
11.3111

■ 48.0519, 49.0605,
21.8902

■ 41.5723, 39.8895,
8.0522

■ 50.9157, 52.6450,
29.4524

■ 40.0298, 37.3188,
5.9523

■ 54.1676, 56.5105,
38.6692

■ 38.7297, 34.9615,
4.7702

■ 57.8261, 60.6666,
49.6338

■ 38.6051, 34.7316,
4.6692

■ 61.9088, 65.1219,
62.4324

■ 66.4318, 69.8845,
77.1452

■ 71.4105, 74.9624,
93.8479

■ 75.6111, 79.8636,
106.0378

■ 77.7094, 84.0602,
106.7373

Harmonies

Analogous

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



54.3064, 45.7451, 20.6101



45.5545, 45.7451, 15.8799



37.3009, 45.7451, 17.5289

Triad

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



45.5545, 45.7451, 15.8799



29.8738, 45.7451, 70.8274



58.1761, 45.7451, 84.4309

Complementary

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



45.5545, 45.7451, 15.8799



24.8951, 23.6352, 68.8952

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.



50.3049, 45.7451, 107.9165



45.5545, 45.7451, 15.8799



34.1964, 45.7451, 98.4132

Square

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



45.5545, 45.7451, 15.8799



28.9542, 45.7451, 44.1838



41.4682, 45.7451, 113.7408



62.1950, 45.7451, 55.8917

Rectangle

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



45.5545, 45.7451, 15.8799



33.0875, 45.7451, 22.4162



41.4682, 45.7451, 113.7408



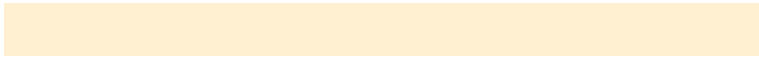
55.8467, 45.7451, 93.5181

Sweetspot

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



45.5556, 45.7473, 15.8808



83.7983, 87.9430, 72.9446



36.4769, 23.6125, 25.1168



17.5884, 18.4353, 14.5488



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.



45.5556, 45.7473, 15.8808



61.8076, 60.4202, 14.8744



49.8520, 62.3254, 18.8542



13.7747, 14.4887, 13.7962



23.4707, 21.2269, 2.8602



1.5988, 1.5317, 0.2114

Inverse Universe

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



24.8951, 23.6352, 68.8952



29.5013, 25.9360, 98.0590



22.3058, 15.3557, 67.4336



12.6943, 13.3284, 16.5557



9.1070, 6.0834, 40.4326



0.6680, 0.5500, 2.6454

Previews

White Background



This preview shows how the XYZ color 45.5545, 45.7451, 15.8799 looks on a white background.

Color Contrast Check

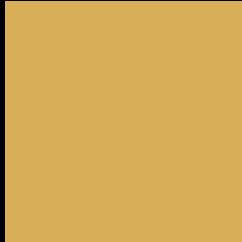
Large Text (above 18pt) WCAG AA × Fail

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 45.5545, 45.7451, 15.8799 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 45.5545, 45.7451, 15.8799

Background



This preview shows how black text looks on a background with the XYZ color 45.5545, 45.7451, 15.8799.



This preview shows how white text looks on a background with the XYZ color 45.5545, 45.7451,

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

45.5545, 45.7451, 15.8799

Protanopia

41.9654, 45.9452, 16.5540

Deuteranopia

46.7222, 45.7728, 16.0454



Tritanopia

51.9517, 45.5725, 47.6532

Trichromacy



Original Color

45.5545, 45.7451, 15.8799

Protanomaly

43.2195, 45.7008, 16.2161

Deuteranomaly

46.3042, 45.8410, 16.0806

Tritanomaly

48.9323, 45.4217, 32.9763

Monochromacy



Original Color

45.5545, 45.7451, 15.8799

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.3744, 44.3015, 33.1057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5545, 45.7451, 15.8799 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(217, 174, 89)` looks like.

```
.text, #text, p{  
    color:rgb(217, 174, 89)  
}
```

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(217, 174, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 174, 89) }
```

Border

The CSS property to change the border of an element to XYZ 45.5545, 45.7451, 15.8799 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(217, 174, 89) }
```


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

```
.border{ border-color:rgb(217, 174, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 174, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 174, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 174, 89);  
box-shadow:4px 4px 4px 4px rgb(217, 174,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5545, 45.7451, 15.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 174, 89) }
```

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

```
.background{ background-color: rgb(217,  
174, 89) }
```

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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