

# Converting Colors

XYZ(45.7085, 46.0841, 21.0533)

Have a look what the booklet for  
XYZ(45.7085, 46.0841, 21.0533)  
contains.

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# **Color**

**XYZ(45.5309, 45.9102,  
20.9298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5AF6D
RGB	213, 175, 109
RGB Percent	84%, 69%, 43%
CMY	0.1647, 0.3137, 0.5725
CMYK	0.00, 0.18, 0.49, 0.16
HSL	38°, 55%, 63%
HSV	38°, 49%, 84%
XYZ	45.5309, 45.9102, 20.9298
YIQ	178.8380, 43.8340, -12.4700

# Conversions

## Conversions Part 2

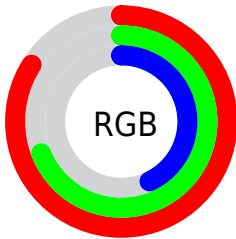
Format	Color
R <sub>YB</sub>	169, 213, 109
Decimal	14004077
CIE Lab	73.49, 5.50, 38.86
CIE LCh	73, 39.251, 81.940
Yxy	45.9102, 0.4052, 0.4086
Android (android.graphics.Color)	4292194157 (0xFFD5AF6D)
YUV	178.8380, -34.4301, 29.9601
Hunter-Lab	67.7571, 1.3723, 29.1156

# Details

The XYZ color **45.5309, 45.9102, 20.9298** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.7503, 28.9217, 67.0179**, and the grayscale version is **42.9236, 45.1590, 49.1782**.

A 20% lighter version of the original color is **76.0584, 80.4623, 45.7045**, and **21.6089, 21.5601, 7.2976** is the 20% darker color. If you saturate the color by 10%, you get **43.0494, 42.5653, 15.1149**, and if you desaturate by 10%, it is **48.3797, 49.5452, 28.2388**.

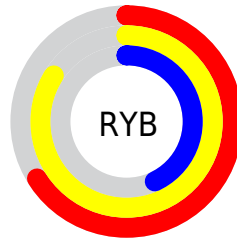
# Distribution



Red (84%)

Green (69%)

Blue (43%)



Red (66%)

Yellow (84%)

Blue (43%)

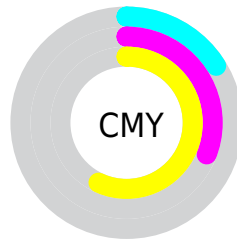


Cyan (0%)

Magenta (18%)

Yellow (49%)

Black (16%)



Cyan (16%)

Magenta (31%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5309, 45.9102, 20.9298 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 45.5309, 45.9102, 20.9298 by changing the saturation by 10% instead.





 45.5309, 45.9102,  
20.9298


 45.5309, 45.9102,  
20.9298


359.6671,  
370.4475, 269.6740


 32.0789, 32.1750,  
12.8820


 82.7487, 84.0846,  
45.8499


 21.5776, 21.4952,  
7.2175


 107.2451,  
109.2925, 63.5593

 13.6617, 13.4864,  
3.5180


 136.1538,  
139.0935, 85.3263

 7.9659, 7.7644,  
1.3648

 169.8399,  
173.8719, 111.5694

 4.1247, 3.9445,  
0.1141

208.6690,  
214.0121, 142.7072

 1.7729, 1.6426,  
0.0000

253.0063,

 0.5013, 0.3861,

259.8985, 179.1582

0.0000

303.2172,  
311.9155, 221.3409

■ 0.0000, 0.0000,  
0.0000

■ 45.5309, 45.9102,  
20.9298

■ 45.5309, 45.9102,  
20.9298

■ 43.0494, 42.5653,  
15.1149

■ 48.3797, 49.5452,  
28.2388

■ 40.9101, 39.4928,  
10.6833

■ 51.6124, 53.4739,  
37.1363

■ 39.0894, 36.6828,  
7.5132

■ 55.2482, 57.7081,  
47.7123

■ 37.5583, 34.1211,  
5.4599

■ 59.3040, 62.2566,  
60.0490

■ 36.2721, 31.7873,  
4.2957

■ 63.7957, 67.1279,  
74.2232

■ 36.1301, 31.5252,  
4.1807

■ 68.7382, 72.3300,  
90.3073

■ 73.6421, 77.6693,  
105.7181

■ 75.8498, 82.0846,  
106.4539

■ 78.1553, 86.6956,  
107.2224

# Harmonies

## Analogous

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



52.3748, 45.9102, 25.5645



45.5309, 45.9102, 20.9298



38.8458, 45.9102, 22.2939

# Triad

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



45.5309, 45.9102, 20.9298



32.4093, 45.9102, 65.6410



54.9879, 45.9102, 77.3902

# Complementary

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



45.5309, 45.9102, 20.9298



28.7503, 28.9217, 67.0179

# 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.



48.8052, 45.9102, 94.3849



45.5309, 45.9102, 20.9298



35.9282, 45.9102, 86.4465

# Square

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



45.5309, 45.9102, 20.9298



31.7307, 45.9102, 44.8276



41.7949, 45.9102, 98.0772



58.1997, 45.9102, 55.5309



# Rectangle

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



45.5309, 45.9102, 20.9298



35.3247, 45.9102, 26.6410



41.7949, 45.9102, 98.0772



53.1589, 45.9102, 84.0766

# Sweetspot

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



45.5320, 45.9124, 20.9307



85.1948, 89.1826, 78.1990



38.1864, 27.1946, 30.8956



17.9644, 18.7824, 15.9222



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.



45.5320, 45.9124, 20.9307



64.4291, 63.5954, 22.1230



50.1433, 60.8530, 23.5715



13.0737, 13.7215, 13.1202



22.1702, 19.4576, 2.5872



1.4148, 1.3288, 0.1819



# Inverse Universe

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



28.7503, 28.9217, 67.0179



36.3099, 35.1699, 99.4825



25.6286, 19.9430, 65.4494



12.1104, 12.7442, 15.7591



9.0818, 6.4254, 39.2147



0.6254, 0.5428, 2.3911



# Previews

## White Background



This preview shows how the XYZ color 45.5309, 45.9102, 20.9298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

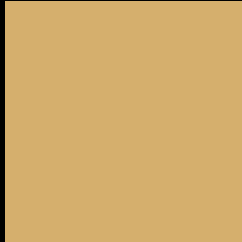
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.5309, 45.9102, 20.9298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

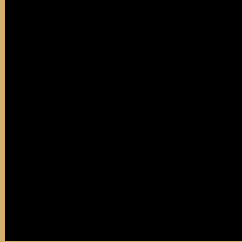
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.5309, 45.9102, 20.9298**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.5309, 45.9102, 20.9298.



This preview shows how white text looks on a background with the XYZ color 45.5309, 45.9102,



# 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

45.5309, 45.9102, 20.9298

### Protanopia

42.4191, 46.0658, 21.6948

### Deuteranopia

46.9715, 46.0730, 21.1692



## Tritanopia

51.2881, 45.7428, 48.7739

# Trichromacy



## Original Color

45.5309, 45.9102, 20.9298

## Protanomaly

43.5632, 46.0625, 21.3468

## Deuteranomaly

46.5658, 46.1496, 21.2053

## Tritanomaly

48.6360, 45.4607, 36.7833

# Monochromacy



## Original Color

45.5309, 45.9102, 20.9298

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

43.2390, 45.2502, 37.0271

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5309, 45.9102, 20.9298 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(213, 175, 109)` looks like.

```
.text, #text, p{  
    color:rgb(213, 175, 109)  
}
```

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(213, 175, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 175, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5309, 45.9102, 20.9298 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(213, 175, 109) }
```



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

```
.border{ border-color:rgb(213, 175, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 175, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 175, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 175, 109);  
box-shadow:4px 4px 4px 4px rgb(213, 175,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5309, 45.9102, 20.9298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 175, 109) }
```

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

```
.background{ background-color: rgb(213,  
175, 109) }
```

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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