

# Converting Colors

XYZ(45.9519, 45.2894, 30.6215)

Have a look what the booklet for  
XYZ(45.9519, 45.2894, 30.6215)  
contains.

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# Color

**XYZ(45.8983, 45.3065,  
30.7520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1AD8B
RGB	209, 173, 139
RGB Percent	82%, 68%, 55%
CMY	0.1804, 0.3215, 0.4549
CMYK	0.00, 0.17, 0.33, 0.18
HSL	29°, 43%, 68%
HSV	29°, 33%, 82%
XYZ	45.8983, 45.3065, 30.7520
YIQ	179.8880, 32.3700, -2.9420

# Conversions

## Conversions Part 2

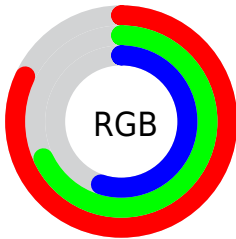
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 205, 139
Decimal	13741451
CIE Lab	73.09, 8.25, 22.39
CIE LCh	73, 23.861, 69.769
Yxy	45.3065, 0.3763, 0.3715
Android (android.graphics.Color)	4291931531 (0xFFD1AD8B)
YUV	179.8880, -20.1578, 25.5312
Hunter-Lab	67.3101, 3.9253, 20.0292

# Details

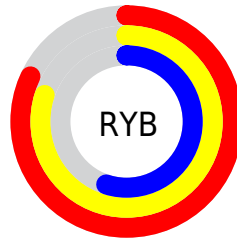
The XYZ color **45.8983, 45.3065, 30.7520** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.4857, 40.7512, 66.2119**, and the grayscale version is **43.4159, 45.6769, 49.7421**.

A 20% lighter version of the original color is **78.6090, 80.5971, 61.8657**, and **21.7774, 21.1683, 12.3893** is the 20% darker color. If you saturate the color by 10%, you get **42.5364, 40.7974, 22.8039**, and if you desaturate by 10%, it is **49.7203, 50.2682, 40.2947**.

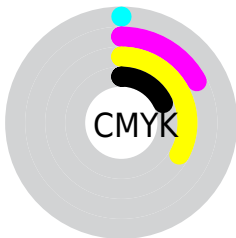
# Distribution



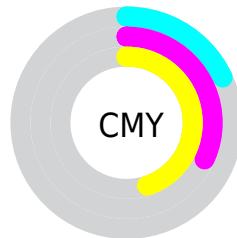
- Red (82%)
- Green (68%)
- Blue (55%)



- Red (82%)
- Yellow (80%)
- Blue (55%)



- Cyan (0%)
- Magenta (17%)
- Yellow (33%)
- Black (18%)




- Cyan (18%)
- Magenta (32%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8983, 45.3065, 30.7520 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 45.8983, 45.3065, 30.7520 by changing the saturation by 10% instead.





 45.8983, 45.3065,  
30.7520

 45.8983, 45.3065,  
30.7520


361.1224,  
368.0135, 319.7099


 32.3699, 31.6989,  
20.1532


 83.2956, 83.1802,  
61.9244

 21.8011, 21.1316,  
12.3213


 107.8951,  
108.2150, 83.3351

 13.8266, 13.2203,  
6.8377


 136.9157,  
137.8278, 109.1868

 8.0810, 7.5804,  
3.2839

170.7228,  
172.4028, 139.8981

 4.1991, 3.8276,  
1.2414

209.6816,  
212.3245, 175.8875

 1.8154, 1.5776,  
0.0130

254.1576,

 0.5269, 0.3424,

257.9772, 217.5736

0.0000

304.5161,  
309.7454, 265.3749

0.0000, 0.0000,  
0.0000

45.8983, 45.3065,  
30.7520

45.8983, 45.3065,  
30.7520

42.5364, 40.7974,  
22.8039

49.7203, 50.2682,  
40.2947

39.6106, 36.7201,  
16.3585

54.0179, 55.6898,  
51.5115

37.0996, 33.0614,  
11.3187

58.8104, 61.5865,  
64.4798

34.9786, 29.8046,  
7.5743

64.1147, 67.9705,  
79.2712

33.2194, 26.9314,  
4.9990

69.9466, 74.8538,  
95.9534

■ 31.7889, 24.4214,  
3.4398

■ 74.7706, 81.6273,  
106.4226

■ 30.9996, 22.9654,  
2.7989

■ 77.9847, 88.0556,  
107.4939

■ 80.1046, 92.2954,  
108.2006

# Harmonies

## Analogous

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



49.5315, 45.3065, 36.0383



45.8983, 45.3065, 30.7520



41.7148, 45.3065, 29.9671

# Triad

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



45.8983, 45.3065, 30.7520



35.6264, 45.3065, 53.3354



48.4040, 45.3065, 69.1944

# Complementary

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



45.8983, 45.3065, 30.7520



37.4857, 40.7512, 66.2119

# 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.



44.4388, 45.3065, 75.6313



45.8983, 45.3065, 30.7520



37.1827, 45.3065, 65.5463

# Square

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



45.8983, 45.3065, 30.7520



35.9613, 45.3065, 41.8009



40.3459, 45.3065, 74.1979



51.0418, 45.3065, 57.7153



# Rectangle

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



45.8983, 45.3065, 30.7520



39.1988, 45.3065, 31.9460



40.3459, 45.3065, 74.1979



47.1721, 45.3065, 72.0974

# Sweetspot

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



45.8995, 45.3086, 30.7529



87.1714, 90.3823, 87.3464



43.2818, 35.1228, 45.1419



18.4352, 19.0695, 18.0968



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.



45.8995, 45.3086, 30.7529



68.2394, 66.0591, 39.2911



53.4703, 60.4502, 33.2765



12.2759, 12.7426, 12.4246



19.2113, 14.3556, 1.7584



1.1535, 0.9613, 0.1248

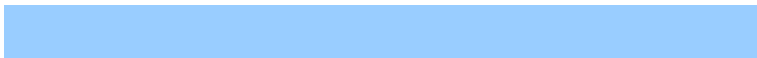


# Inverse Universe

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



37.4857, 40.7512, 66.2119



53.1262, 57.8710, 102.9779



31.5590, 28.8979, 64.2363



11.6592, 12.4086, 15.0243



10.4673, 9.5811, 38.4902



0.6646, 0.6943, 2.1786



# Previews

## White Background



This preview shows how the XYZ color 45.8983, 45.3065, 30.7520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

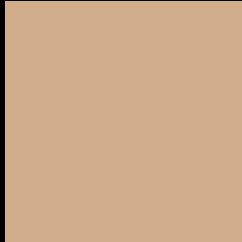
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.8983, 45.3065, 30.7520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

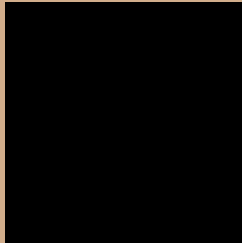
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8983, 45.3065, 30.7520**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8983, 45.3065, 30.7520.



This preview shows how white text looks on a background with the XYZ color 45.8983, 45.3065,



# 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

45.8983, 45.3065, 30.7520

### Protanopia

42.4884, 45.2696, 32.0897

### Deuteranopia

46.2767, 45.2180, 30.7150



## Tritanopia

49.4975, 45.0789, 49.2723

# Trichromacy



## Original Color

45.8983, 45.3065, 30.7520

## Protanomaly

43.8186, 45.3731, 31.6477

## Deuteranomaly

45.9911, 45.0708, 30.7016

## Tritanomaly

48.1309, 45.0896, 41.7637

# Monochromacy



## Original Color

45.8983, 45.3065, 30.7520

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

43.9995, 45.2373, 42.0099

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8983, 45.3065, 30.7520 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(209, 173, 139)` looks like.

```
.text, #text, p{  
    color:rgb(209, 173, 139)  
}
```

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(209, 173, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 173, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8983, 45.3065, 30.7520 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(209, 173, 139) }
```



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

```
.border{ border-color:rgb(209, 173, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 173, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 173, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 173, 139);  
box-shadow:4px 4px 4px 4px rgb(209, 173,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8983, 45.3065, 30.7520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 173, 139) }
```

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

```
.background{ background-color: rgb(209,  
173, 139) }
```

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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