

# Converting Colors

XYZ(45.5049, 49.4806, 26.3717)

Have a look what the booklet for  
XYZ(45.5049, 49.4806, 26.3717)  
contains.

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# Color

**XYZ(45.4958, 49.4134,  
26.2086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9BB7C
RGB	201, 187, 124
RGB Percent	79%, 73%, 49%
CMY	0.2118, 0.2666, 0.5137
CMYK	0.00, 0.07, 0.38, 0.21
HSL	49°, 42%, 64%
HSV	49°, 38%, 79%
XYZ	45.4958, 49.4134, 26.2086
YIQ	184.0040, 28.5670, -16.6250

# Conversions

## Conversions Part 2

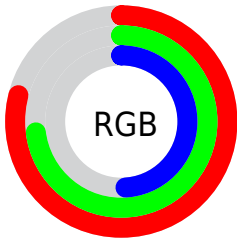
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 201, 124
Decimal	13220732
CIELab	75.71, -4.17, 33.71
CIELCh	76, 33.963, 97.050
Yxy	49.4134, 0.3756, 0.4080
Android (android.graphics.Color)	4291410812 (0xFFC9BB7C)
YUV	184.0040, -29.5820, 14.9055
Hunter-Lab	70.2947, -7.4877, 27.1006

# Details

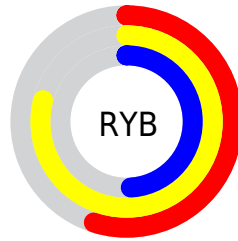
The XYZ color **45.4958, 49.4134, 26.2086** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.9430, 26.6782, 58.9350**, and the grayscale version is **45.7104, 48.0909, 52.3710**.

A 20% lighter version of the original color is **81.2264, 88.5355, 54.4029**, and **21.6152, 23.6556, 9.9053** is the 20% darker color. If you saturate the color by 10%, you get **43.5873, 47.4274, 19.9277**, and if you desaturate by 10%, it is **47.6856, 51.5471, 33.8627**.

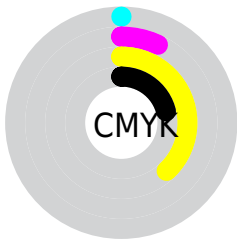
# Distribution



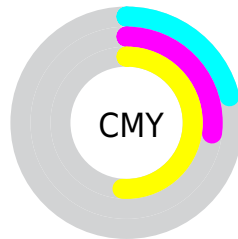
- Red (79%)
- Green (73%)
- Blue (49%)



- Red (55%)
- Yellow (79%)
- Blue (49%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (21%)




- Cyan (21%)
- Magenta (27%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4958, 49.4134, 26.2086 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 45.4958, 49.4134, 26.2086 by changing the saturation by 10% instead.





 45.4958, 49.4134,  
26.2086


 45.4958, 49.4134,  
26.2086


359.5279,  
384.3675, 297.4426

 32.0511, 34.9475,  
16.7526


 82.6964, 89.3051,  
54.5995

 21.5562, 23.6225,  
9.8982


 107.1830,  
115.4998, 74.3715

 13.6460, 15.0538,  
5.2268


 136.0809,  
146.3728, 98.4192

 7.9549, 8.8572,  
2.3199

169.7555,  
182.3086, 127.1611

 4.1177, 4.6481,  
0.7423

208.5722,  
223.6916, 161.0159

 1.7689, 2.0423,  
0.0000

252.8962,

 0.4988, 0.6319,

270.9062, 200.4021

0.0000

303.0930,  
324.3367, 245.7381

■ 0.0000, 0.0000,  
0.0000

■ 45.4958, 49.4134,  
26.2086

■ 45.4958, 49.4134,  
26.2086

■ 43.5873, 47.4274,  
19.9277

■ 47.6856, 51.5471,  
33.8627

■ 41.9404, 45.5755,  
14.9333

■ 50.1677, 53.8276,  
42.9633

■ 40.5386, 43.8528,  
11.1340

■ 52.9569, 56.2630,  
53.5822

■ 39.3619, 42.2510,  
8.4245

■ 56.0658, 58.8586,  
65.7856

■ 38.3866, 40.7603,  
6.6816

■ 59.5064, 61.6192,  
79.6357

■ 37.5766, 39.3662,  
5.7156

■ 63.2901, 64.5498,  
95.1914

■ 37.4467, 39.1361,  
5.5804

■ 65.8256, 67.0140,  
104.0733

■ 66.7525, 68.8678,  
104.3823

■ 67.7003, 70.7633,  
104.6982

# Harmonies

## Analogous

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



51.8463, 49.4134, 27.7756



45.4958, 49.4134, 26.2086



40.0432, 49.4134, 30.6049

# Triad

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



45.4958, 49.4134, 26.2086



37.9516, 49.4134, 77.5117



59.0187, 49.4134, 68.4855

# Complementary

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



45.4958, 49.4134, 26.2086



27.9430, 26.6782, 58.9350

# 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.



54.6439, 49.4134, 86.4879



45.4958, 49.4134, 26.2086



42.4019, 49.4134, 92.4594

# Square

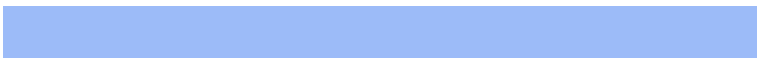
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.4958, 49.4134, 26.2086



35.9471, 49.4134, 58.1711



48.4674, 49.4134, 96.0666



60.0337, 49.4134, 49.6589



# Rectangle

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



45.4958, 49.4134, 26.2086



37.5223, 49.4134, 37.0628



48.4674, 49.4134, 96.0666



57.8744, 49.4134, 74.9490

# Sweetspot

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



45.4970, 49.4157, 26.2096



89.2533, 95.1135, 86.2915



35.8913, 28.6717, 27.7321



18.9611, 20.2343, 17.9235



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.



45.4970, 49.4157, 26.2096



75.1376, 81.7501, 35.7502



42.5692, 52.5308, 26.9652



11.3537, 12.0765, 11.2953



23.6066, 24.7304, 3.5292



1.1617, 1.2588, 0.1817



# Inverse Universe

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



27.9430, 26.6782, 58.9350



40.8832, 37.4008, 99.6720



30.0329, 24.9646, 58.4941



10.2100, 10.5941, 13.4242



7.0846, 3.5631, 35.0587



0.3843, 0.2664, 1.6763



# Previews

## White Background



This preview shows how the XYZ color 45.4958, 49.4134, 26.2086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

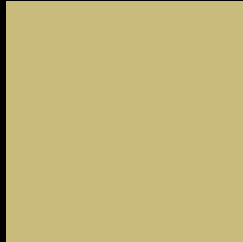
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4958, 49.4134, 26.2086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

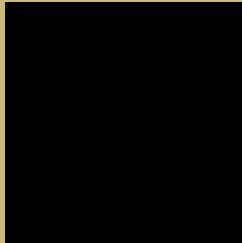
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.4958, 49.4134, 26.2086**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4958, 49.4134, 26.2086.



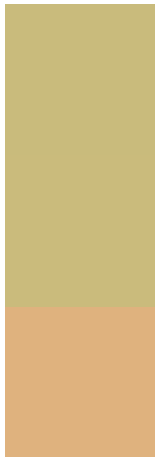
This preview shows how white text looks on a background with the XYZ color 45.4958, 49.4134,



# 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

45.4958, 49.4134, 26.2086

### Protanopia

45.7655, 49.5524, 26.2213

### Deuteranopia

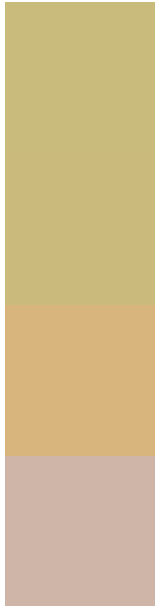
50.1177, 49.0351, 26.5619



## Tritanopia

51.7293, 49.2019, 56.6397

# Trichromacy



## Original Color

45.4958, 49.4134, 26.2086

## Protanomaly

45.7655, 49.5524, 26.2213

## Deuteranomaly

48.2499, 48.9755, 26.3122

## Tritanomaly

48.9525, 48.9596, 43.4293

# Monochromacy



## Original Color

45.4958, 49.4134, 26.2086

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.1058, 48.2537, 41.1190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4958, 49.4134, 26.2086 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(201, 187, 124)` looks like.

```
.text, #text, p{  
    color:rgb(201, 187, 124)  
}
```

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(201, 187, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 187, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4958, 49.4134, 26.2086 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(201, 187, 124) }
```



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

```
.border{ border-color:rgb(201, 187, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 187, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 187, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 187, 124);  
box-shadow:4px 4px 4px 4px rgb(201, 187,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4958, 49.4134, 26.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 187, 124) }
```

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

```
.background{ background-color: rgb(201,  
187, 124) }
```

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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