

# Converting Colors

XYZ(40.3777, 48.7221, 27.1304)

Have a look what the booklet for  
XYZ(40.3777, 48.7221, 27.1304)  
contains.

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# Color

**XYZ(40.2914, 48.6450,  
27.0045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEC17E
RGB	174, 193, 126
RGB Percent	68%, 76%, 49%
CMY	0.3176, 0.2431, 0.5059
CMYK	0.10, 0.00, 0.35, 0.24
HSL	77°, 35%, 63%
HSV	77°, 35%, 76%
XYZ	40.2914, 48.6450, 27.0045
YIQ	179.6810, 10.1830, -24.8650

# Conversions

## Conversions Part 2

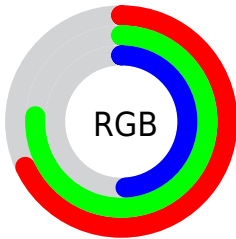
Format	Color
<b>RYB</b>	126, 193, 145
Decimal	11452798
CIELab	75.23, -17.63, 31.64
CIELCh	75, 36.216, 119.131
Yxy	48.6450, 0.3475, 0.4196
Android (android.graphics.Color)	4289642878 (0xFFAEC17E)
YUV	179.6810, -26.4647, -4.9822
Hunter-Lab	69.7460, -18.9382, 25.8661

# Details

The XYZ color **40.2914, 48.6450, 27.0045** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.7656, 24.7931, 53.7243**, and the grayscale version is **43.3460, 45.6033, 49.6620**.

A 20% lighter version of the original color is **74.6455, 87.8290, 55.6663**, and **18.4223, 23.0520, 10.3160** is the 20% darker color. If you saturate the color by 10%, you get **37.9698, 47.5800, 21.0104**, and if you desaturate by 10%, it is **42.9055, 49.8361, 34.2685**.

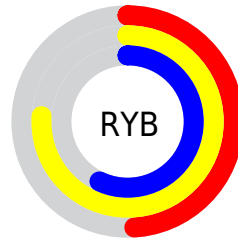
# Distribution



Red (68%)

Green (76%)

Blue (49%)



Red (49%)

Yellow (76%)

Blue (57%)

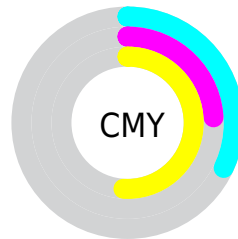


Cyan (10%)

Magenta (0%)

Yellow (35%)

Black (24%)



Cyan (32%)

Magenta (24%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2914, 48.6450, 27.0045 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 40.2914, 48.6450, 27.0045 by changing the saturation by 10% instead.



■ 40.2914, 48.6450,  
27.0045

■ 40.2914, 48.6450,  
27.0045

338.4636,  
381.3431, 301.4398

■ 27.9510, 34.3380,  
17.3441

■ 74.8886, 88.1640,  
55.8949

■ 18.4290, 23.1533,  
10.3156

■ 97.8761, 114.1447,  
75.9620

■ 11.3600, 14.7068,  
5.5004

■ 125.1434,  
144.7854, 100.3352

■ 6.3786, 8.6139,  
2.4799

157.0558,  
180.4706, 129.4328

■ 3.1195, 4.4902,  
0.8295

193.9786,  
221.5845, 163.6736

■ 1.2172, 1.9514,  
0.0000

236.2773,

■ 0.1199, 0.5790,

268.5116, 203.4760

0.0000

284.3172,  
321.6364, 249.2585

■ 0.0000, 0.0000,  
0.0000

■ 40.2914, 48.6450,  
27.0045

■ 40.2914, 48.6450,  
27.0045

■ 37.9698, 47.5800,  
21.0104

■ 42.9055, 49.8361,  
34.2685

■ 35.9225, 46.6287,  
16.2099

■ 45.8217, 51.1522,  
42.8664

■ 34.1349, 45.7869,  
12.5236


■ 49.0537, 52.6005,  
52.8619


■ 32.5893, 45.0474,  
9.8610


■ 52.6132, 54.1857,  
64.3133


■ 31.2650, 44.4020,  
8.1177


■ 56.5112, 55.9122,  
77.2759


 30.1375, 43.8406,  
7.1665

 60.7580, 57.7845,  
91.8021

 29.5954, 43.5676,  
6.8495

 64.3651, 59.4069,  
102.6820

 65.9734, 60.2360,  
102.7573

 67.6357, 61.0930,  
102.8351

# Harmonies

## Analogous

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



46.4296, 48.6450, 24.1599



40.2914, 48.6450, 27.0045



36.1144, 48.6450, 36.3249

# Triad

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



40.2914, 48.6450, 27.0045



39.9860, 48.6450, 90.9847



60.2213, 48.6450, 53.5230

# Complementary

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



40.2914, 48.6450, 27.0045



28.7656, 24.7931, 53.7243

# 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.



58.0904, 48.6450, 74.0426



40.2914, 48.6450, 27.0045



46.0421, 48.6450, 98.6163

# Square

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



40.2914, 48.6450, 27.0045



35.9504, 48.6450, 72.8474



52.7375, 48.6450, 91.7829



58.3163, 48.6450, 37.0775



# Rectangle

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



40.2914, 48.6450, 27.0045



34.7905, 48.6450, 46.3625



52.7375, 48.6450, 91.7829



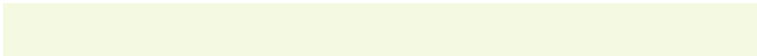
59.9502, 48.6450, 60.1689

# Sweetspot

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



40.2926, 48.6472, 27.0055



84.6301, 92.7616, 84.6141



35.8829, 33.0911, 24.2353



17.9821, 19.8225, 17.6177



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2926, 48.6472, 27.0055



68.8153, 85.5875, 39.6577



33.7400, 45.2692, 26.6989



10.6260, 11.6102, 10.7428



19.7649, 29.0180, 4.5593



0.9187, 1.2872, 0.2000



# Inverse Universe

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



28.7656, 24.7931, 53.7243



44.9709, 36.2097, 94.9792



35.5595, 28.2955, 54.0423



9.7906, 9.8832, 12.6765



7.5095, 3.1317, 33.7653



0.3943, 0.1713, 1.4622



# Previews

## White Background



This preview shows how the XYZ color 40.2914, 48.6450, 27.0045 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 40.2914, 48.6450, 27.0045 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

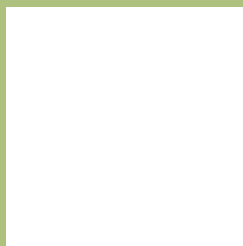
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.2914, 48.6450, 27.0045**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2914, 48.6450, 27.0045.



This preview shows how white text looks on a background with the XYZ color 40.2914, 48.6450,



# 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

40.2914, 48.6450, 27.0045

### Protanopia

45.0115, 48.5455, 25.7367

### Deuteranopia

49.1998, 48.2449, 27.4880



## Tritanopia

47.2165, 48.5948, 60.9240

# Trichromacy



## Original Color

40.2914, 48.6450, 27.0045

## Protanomaly

43.1072, 48.4980, 26.1578

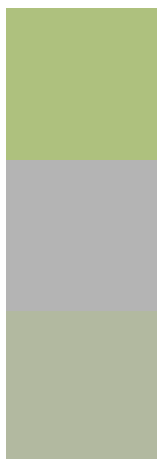
## Deuteranomaly

45.4584, 48.1220, 27.3146

## Tritanomaly

44.0391, 48.2225, 46.0165

# Monochromacy



## Original Color

40.2914, 48.6450, 27.0045

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

42.0542, 46.7010, 40.0554

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2914, 48.6450, 27.0045 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(174, 193, 126)` looks like.

```
.text, #text, p{  
    color:rgb(174, 193, 126)  
}
```

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(174, 193, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 193, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2914, 48.6450, 27.0045 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(174, 193, 126) }
```



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

```
.border{ border-color:rgb(174, 193, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 193, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 193, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 193, 126);  
box-shadow:4px 4px 4px 4px rgb(174, 193,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2914, 48.6450, 27.0045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 193, 126) }
```

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

```
.background{ background-color: rgb(174,  
193, 126) }
```

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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