

# Converting Colors

XYZ(41.1360, 37.5370, 44.9462)

Have a look what the booklet for  
XYZ(41.1360, 37.5370, 44.9462)  
contains.

<b>XYZ(41.1879, 37.5047, 45.1127)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(41.1879, 37.5047,  
45.1127)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C19AAE
RGB	193, 154, 174
RGB Percent	76%, 60%, 68%
CMY	0.2431, 0.3961, 0.3176
CMYK	0.00, 0.20, 0.10, 0.24
HSL	329°, 24%, 68%
HSV	329°, 20%, 76%
XYZ	41.1879, 37.5047, 45.1127
YIQ	167.9410, 16.8240, 14.4880

# Conversions

## Conversions Part 2

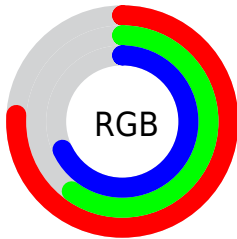
Format	Color
R <sub>YB</sub>	193, 154, 174
Decimal	12688046
CIE Lab	67.65, 17.79, -4.87
CIE LCh	68, 18.444, 344.695
Yxy	37.5047, 0.3327, 0.3029
Android (android.graphics.Color)	4290878126 (0xFFC19AAE)
YUV	167.9410, 2.9871, 21.9767
Hunter-Lab	61.2411, 12.8789, -0.8067

# Details

The XYZ color **41.1879, 37.5047, 45.1127** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.9407, 48.0281, 46.7027**, and the grayscale version is **37.1715, 39.1073, 42.5878**.

A 20% lighter version of the original color is **76.3677, 71.5821, 83.9205**, and **19.0106, 16.5946, 20.6135** is the 20% darker color. If you saturate the color by 10%, you get **37.3703, 31.2852, 39.4746**, and if you desaturate by 10%, it is **45.5840, 44.7775, 51.2612**.

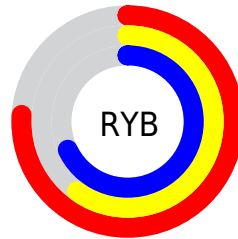
# Distribution



Red (76%)

Green (60%)

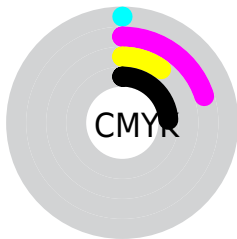
Blue (68%)



Red (76%)

Yellow (60%)

Blue (68%)

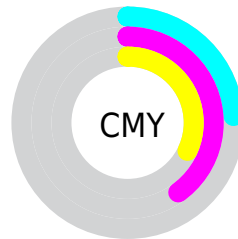


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (24%)



Cyan (24%)

Magenta (40%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1879, 37.5047, 45.1127 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 41.1879, 37.5047, 45.1127 by changing the saturation by 10% instead.





 41.1879, 37.5047,  
45.1127

 41.1879, 37.5047,  
45.1127

342.1545,  
335.4905, 383.4032

 28.6543, 25.5985,  
31.2026


 76.2420, 71.3483,  
84.2097

 18.9624, 16.5235,  
20.4934


 99.4931, 94.0546,  
110.2338

 11.7470, 9.8954,  
12.5666


127.0474,  
121.1296, 141.1329

 6.6426, 5.3296,  
7.0036

159.2703,  
152.9578, 177.3256

 3.2839, 2.4419,  
3.3859

196.5271,  
189.9236, 219.2304

 1.3056, 0.8473,  
1.2949

239.1831,

 0.1874, 0.0000,

232.4114, 267.2660

0.0576

287.6038,  
280.8055, 321.8507

■ 0.0000, 0.0000,  
0.0000

■ 41.1879, 37.5047,  
45.1127

■ 41.1879, 37.5047,  
45.1127

■ 37.3703, 31.2852,  
39.4746

■ 45.5840, 44.7775,  
51.2612

■ 34.1022, 26.0646,  
34.3295

■ 50.5795, 53.1447,  
57.9319

■ 31.3570, 21.7912,  
29.6623

■ 56.1980, 62.6513,  
65.1394

■ 29.1042, 18.4066,  
25.4560

■ 62.4610, 73.3383,  
72.8965

■ 27.3104, 15.8458,  
21.6923

■ 69.3889, 85.2446,  
81.2160

■ 25.9373, 14.0349,  
18.3511

■ 72.0947, 88.5944,  
88.4743

■ 24.9400, 12.8865,  
15.4097

■ 73.4547, 89.1384,  
95.6358

■ 24.2430, 12.2378,  
12.8804

■ 74.8871, 89.7114,  
103.1785

■ 75.8025, 90.0776,  
107.9992

# Harmonies

## Analogous

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



39.6345, 37.5047, 53.0159



41.1879, 37.5047, 45.1127



41.2045, 37.5047, 36.9897

# Triad

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



41.1879, 37.5047, 45.1127



34.2774, 37.5047, 27.4796



31.8982, 37.5047, 52.8756

# Complementary

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



41.1879, 37.5047, 45.1127



39.9407, 48.0281, 46.7027

# 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.



30.6133, 37.5047, 44.9406



41.1879, 37.5047, 45.1127



31.9365, 37.5047, 30.6813

# Square

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



41.1879, 37.5047, 45.1127



37.1106, 37.5047, 27.5127



30.6269, 37.5047, 36.8390



34.2226, 37.5047, 57.8874



# Rectangle

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



41.1879, 37.5047, 45.1127



40.3365, 37.5047, 32.5523



30.6269, 37.5047, 36.8390



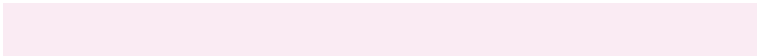
31.3360, 37.5047, 50.4184

# Sweetspot

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



41.1890, 37.5064, 45.1135



85.1864, 86.1150, 96.6054



38.3832, 35.8305, 55.3455



18.1511, 18.2668, 20.5583



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.



41.1890, 37.5064, 45.1135



70.7938, 62.3028, 76.4766



39.4363, 36.8053, 35.8842



10.2839, 10.1622, 11.5857



16.1649, 8.1557, 8.7804



0.7332, 0.3663, 0.5623



# Inverse Universe

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



41.1890, 37.5064, 45.1135



70.7938, 62.3028, 76.4766



41.9508, 48.8321, 57.2877



10.2839, 10.1622, 11.5857



16.1649, 8.1557, 8.7804



0.7332, 0.3663, 0.5623



# Previews

## White Background



This preview shows how the XYZ color 41.1879, 37.5047, 45.1127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

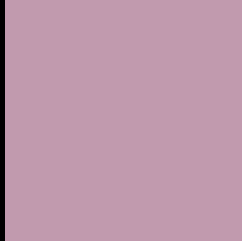
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1879, 37.5047, 45.1127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

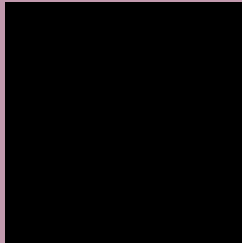
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.1879, 37.5047, 45.1127**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1879, 37.5047, 45.1127.



This preview shows how white text looks on a background with the XYZ color 41.1879, 37.5047,



# 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

41.1879, 37.5047, 45.1127

### Protanopia

36.8235, 37.7387, 48.5235

### Deuteranopia

38.2451, 37.5059, 44.7588



## Tritanopia

40.4346, 37.4392, 41.6546

# Trichromacy



## Original Color

41.1879, 37.5047, 45.1127

## Protanomaly

38.2859, 37.4699, 47.3340

## Deuteranomaly

39.2981, 37.5381, 44.7095

## Tritanomaly

40.7153, 37.5514, 43.1324

# Monochromacy



## Original Color

41.1879, 37.5047, 45.1127

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

38.4844, 38.4438, 43.4223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1879, 37.5047, 45.1127 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(193, 154, 174)` looks like.

```
.text, #text, p{  
    color:rgb(193, 154, 174)  
}
```

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(193, 154, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 154, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1879, 37.5047, 45.1127 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(193, 154, 174) }
```



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

```
.border{ border-color:rgb(193, 154, 174) }
```

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

Here you see how a box with a 4 pixel rgb(193, 154, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 154, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 154, 174);  
box-shadow:4px 4px 4px 4px rgb(193, 154,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1879, 37.5047, 45.1127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 154, 174) }
```

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

```
.background{ background-color: rgb(193,  
154, 174) }
```

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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