

# Converting Colors

XYZ(45.8395, 41.3427, 37.0164)

Have a look what the booklet for  
XYZ(45.8395, 41.3427, 37.0164)  
contains.

<b>XYZ(45.8395, 41.3427, 37.0164)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.8395, 41.3427,  
37.0164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D59F9C
RGB	213, 159, 156
RGB Percent	84%, 62%, 61%
CMY	0.1647, 0.3765, 0.3882
CMYK	0.00, 0.25, 0.27, 0.16
HSL	3°, 40%, 72%
HSV	3°, 27%, 84%
XYZ	45.8395, 41.3427, 37.0164
YIQ	174.8040, 33.1470, 10.5150

# Conversions

## Conversions Part 2

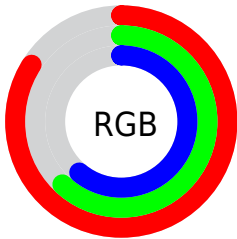
Format	Color
R <sub>Y</sub> B	213, 159, 156
Decimal	14000028
CIE Lab	70.42, 19.63, 9.41
CIE LCh	70, 21.764, 25.607
Yxy	41.3427, 0.3691, 0.3329
Android (android.graphics.Color)	4292190108 (0xFFD59F9C)
YUV	174.8040, -9.2704, 33.4979
Hunter-Lab	64.2983, 14.7341, 10.8757

# Details

The XYZ color **45.8395, 41.3427, 37.0164** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.7665, 57.9636, 71.5690**, and the grayscale version is **40.6816, 42.8002, 46.6094**.

A 20% lighter version of the original color is **76.9194, 74.0063, 71.2033**, and **21.7121, 18.7034, 15.8304** is the 20% darker color. If you saturate the color by 10%, you get **41.0006, 34.3025, 27.2716**, and if you desaturate by 10%, it is **51.5633, 49.6460, 48.6175**.

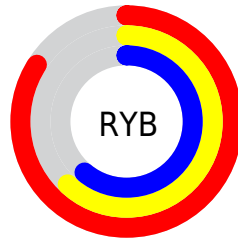
# Distribution



Red (84%)

Green (62%)

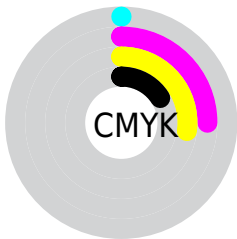
Blue (61%)



Red (84%)

Yellow (62%)

Blue (61%)

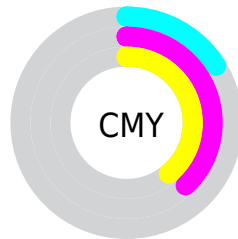


Cyan (0%)

Magenta (25%)

Yellow (27%)

Black (16%)



Cyan (16%)

Magenta (38%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8395, 41.3427, 37.0164 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 45.8395, 41.3427, 37.0164 by changing the saturation by 10% instead.




 45.8395, 41.3427,  
37.0164


 45.8395, 41.3427,  
37.0164


360.8898,  
351.7509, 348.5523

 32.3233, 28.5870,  
24.9243


 83.2081, 77.2039,  
71.7846

 21.7653, 18.7686,  
15.8022


 107.7911,  
101.0781, 95.2978

 13.8002, 11.5032,  
9.2314


136.7939,  
129.4272, 123.4551

 8.0626, 6.4064,  
4.7936

170.5816,  
162.6357, 156.6751

 4.1872, 3.0937,  
2.0700

209.5197,  
201.0879, 195.3763

 1.8086, 1.1809,  
0.5979

253.9735,

 0.5228, 0.0460,

245.1682, 239.9772

0.0000

304.3084,  
295.2611, 290.8964

■ 0.0000, 0.0000,  
0.0000

■ 45.8395, 41.3427,  
37.0164

■ 45.8395, 41.3427,  
37.0164

■ 41.0006, 34.3025,  
27.2716

■ 51.5633, 49.6460,  
48.6175

■ 36.9993, 28.4581,  
19.2843

■ 58.2097, 59.2640,  
62.1615

■ 33.7890, 23.7448,  
12.9507

■ 65.8179, 70.2523,  
77.7327

■ 31.3171, 20.0894,  
8.1548

■ 74.4243, 82.6617,  
95.4096

■ 29.5247, 17.4102,  
4.7658

■ 81.2507, 92.8862,  
108.2542

■ 28.3440, 15.6134,  
2.6311

■ 27.6910, 14.5863,  
1.5541

■ 27.5630, 14.3908,  
1.3250

# Harmonies

## Analogous

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



46.5706, 41.3427, 46.5433



45.8395, 41.3427, 37.0164



43.3157, 41.3427, 30.6204

# Triad

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



45.8395, 41.3427, 37.0164



33.8808, 41.3427, 34.7663



38.7697, 41.3427, 67.6876

# Complementary

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



45.8395, 41.3427, 37.0164



48.7665, 57.9636, 71.5690

# 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.



35.5312, 41.3427, 63.3342



45.8395, 41.3427, 37.0164



32.8196, 41.3427, 43.5209

# Square

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



45.8395, 41.3427, 37.0164



36.3926, 41.3427, 29.4664



33.4051, 41.3427, 54.0904



42.3477, 41.3427, 65.2506



# Rectangle

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



45.8395, 41.3427, 37.0164



41.0322, 41.3427, 28.4837



33.4051, 41.3427, 54.0904



37.6075, 41.3427, 66.9537

# Sweetspot

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



45.8406, 41.3446, 37.0172



86.0797, 87.0391, 90.5579



50.9810, 42.5842, 66.6037



18.0862, 18.1405, 18.6926



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.



45.8406, 41.3446, 37.0172



64.6825, 56.0144, 47.1411



51.2864, 52.2362, 38.8325



12.4752, 12.5247, 12.9207



16.8597, 8.8366, 0.8170



1.0358, 0.5708, 0.0556



# Inverse Universe

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



48.7665, 57.9636, 71.5690



69.7755, 84.9566, 107.3284



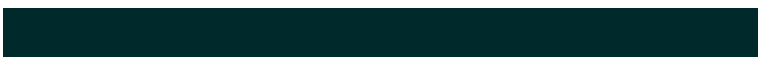
42.3774, 45.1852, 69.4392



12.7335, 13.9904, 15.9668



20.2295, 28.7208, 42.9306

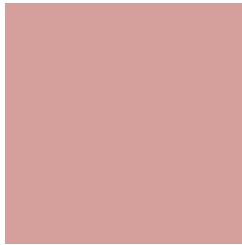


1.2377, 1.7674, 2.5952



# Previews

## White Background



This preview shows how the XYZ color 45.8395, 41.3427, 37.0164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

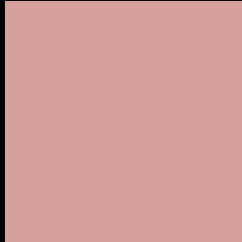
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.8395, 41.3427, 37.0164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

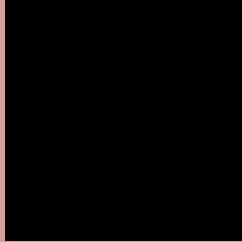
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8395, 41.3427, 37.0164**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8395, 41.3427, 37.0164.



This preview shows how white text looks on a background with the XYZ color 45.8395, 41.3427,

37.0164.

# 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

45.8395, 41.3427, 37.0164

### Protanopia

39.7235, 41.6144, 40.5891

### Deuteranopia

42.3176, 41.3748, 36.7661



## Tritanopia

46.9500, 41.2747, 43.0284

# Trichromacy



## Original Color

45.8395, 41.3427, 37.0164

## Protanomaly

41.6497, 41.2519, 39.0249

## Deuteranomaly

43.3707, 41.1175, 36.6609

## Tritanomaly

46.6593, 41.4302, 40.6596

# Monochromacy



## Original Color

45.8395, 41.3427, 37.0164

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.2421, 42.0219, 42.9304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8395, 41.3427, 37.0164 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, 159, 156)` looks like.

```
.text, #text, p{  
    color:rgb(213, 159, 156)  
}
```

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, 159, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 159, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8395, 41.3427, 37.0164 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, 159, 156) }
```



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

```
.border{ border-color:rgb(213, 159, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 159, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 159, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 159, 156);  
box-shadow:4px 4px 4px 4px rgb(213, 159,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8395, 41.3427, 37.0164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 159, 156) }
```

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

```
.background{ background-color: rgb(213,  
159, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor