

# Converting Colors

XYZ(39.0970, 30.8641, 23.7899)

Have a look what the booklet for  
XYZ(39.0970, 30.8641, 23.7899)  
contains.

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# Color

**XYZ(38.9583, 30.7242,  
23.6157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D67E7E
RGB	214, 126, 126
RGB Percent	84%, 49%, 49%
CMY	0.1608, 0.5059, 0.5059
CMYK	0.00, 0.41, 0.41, 0.16
HSL	0°, 52%, 67%
HSV	0°, 41%, 84%
XYZ	38.9583, 30.7242, 23.6157
YIQ	152.3120, 52.4480, 18.6560

# Conversions

## Conversions Part 2

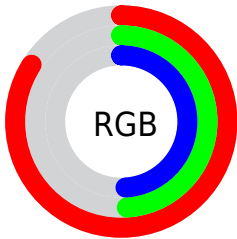
Format	Color
<a href="#">RYB</a>	<a href="#">214, 126, 126</a>
Decimal	<a href="#">14057086</a>
CIELab	<a href="#">62.27, 34.02, 14.79</a>
CIELCh	<a href="#">62, 37.100, 23.495</a>
Yxy	<a href="#">30.7242, 0.4176, 0.3293</a>
Android (android.graphics.Color)	<a href="#">4292247166 (0xFFD67E7E)</a>
YUV	<a href="#">152.3120, -12.9718, 54.1004</a>
Hunter-Lab	<a href="#">55.4294, 28.4564, 13.5401</a>

# Details

The XYZ color **38.9583, 30.7242, 23.6157** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **44.7872, 57.3813, 72.3334**, and the grayscale version is **30.0190, 31.5824, 34.3932**.

A 20% lighter version of the original color is **65.6979, 57.1572, 50.2176**, and **17.5659, 12.6359, 8.5343** is the 20% darker color. If you saturate the color by 10%, you get **35.2725, 25.3312, 16.2877**, and if you desaturate by 10%, it is **43.5263, 37.4089, 32.6956**.

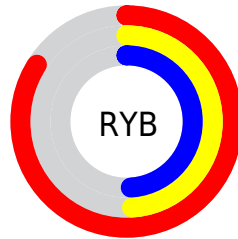
# Distribution



Red (84%)

Green (49%)

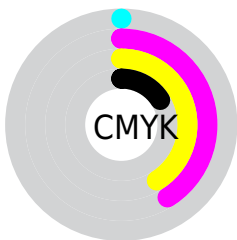
Blue (49%)



Red (84%)

Yellow (49%)

Blue (49%)

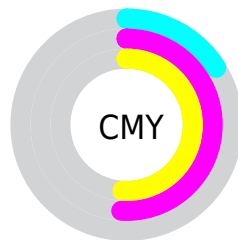


Cyan (0%)

Magenta (41%)

Yellow (41%)

Black (16%)



Cyan (16%)

Magenta (51%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9583, 30.7242, 23.6157 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 38.9583, 30.7242, 23.6157 by changing the saturation by 10% instead.





 38.9583, 30.7242,  
23.6157


 38.9583, 30.7242,  
23.6157


332.9234,  
305.2657, 284.0955


 26.9079, 20.3889,  
14.8392


 72.8691, 60.8056,  
50.3383

 17.6403, 12.6781,  
8.5613


 95.4602, 81.3205,  
69.1215

 10.7902, 7.2072,  
4.3633


 122.2955,  
105.9974, 92.0774

 5.9922, 3.5920,  
1.8267

153.7404,  
135.2207, 119.6244

 2.8809, 1.4481,  
0.4455

190.1603,  
169.3748, 152.1812

 1.0911, 0.2518,  
0.0000

231.9205,

 0.0177, 0.0000,

208.8440, 190.1663

0.0000

279.3864,  
254.0129, 233.9982

■ 0.0000, 0.0000,  
0.0000

■ 38.9583, 30.7242,  
23.6157

■ 38.9583, 30.7242,  
23.6157

■ 35.2725, 25.3312,  
16.2877

■ 43.5263, 37.4089,  
32.6956

■ 32.4099, 21.1422,  
10.5970

■ 49.0257, 45.4561,  
43.6282

■ 30.3079, 18.0663,  
6.4186


■ 55.5051, 54.9372,  
56.5089

■ 28.8941, 15.9975,  
3.6084


■ 63.0088, 65.9172,  
71.4261

■ 28.0822, 14.8093,  
1.9945

■ 71.5785, 78.4571,  
88.4626

 27.7317, 14.2964,  
1.2979

 81.2537, 92.6145,  
107.6968

 81.5415, 93.0361,  
108.2678

# Harmonies

## Analogous

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



39.8578, 30.7242, 36.6775



38.9583, 30.7242, 23.6157



35.3165, 30.7242, 15.8161

# Triad

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



38.9583, 30.7242, 23.6157



22.1232, 30.7242, 19.5782



28.1245, 30.7242, 69.0348

# Complementary

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



38.9583, 30.7242, 23.6157



44.7872, 57.3813, 72.3334

# 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.



23.8382, 30.7242, 60.8917



38.9583, 30.7242, 23.6157



20.6385, 30.7242, 30.4240

# Square

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



38.9583, 30.7242, 23.6157



25.5277, 30.7242, 13.9940



21.2285, 30.7242, 45.7021



33.2138, 30.7242, 65.6714



# Rectangle

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



38.9583, 30.7242, 23.6157



32.0258, 30.7242, 13.3603



21.2285, 30.7242, 45.7021



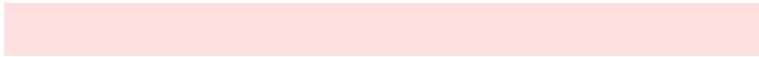
26.5501, 30.7242, 67.4916

# Sweetspot

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



38.9591, 30.7257, 23.6163



81.5126, 80.1911, 81.9880



47.3301, 34.0731, 67.7005



17.1609, 16.7454, 16.9798



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.



38.9591, 30.7257, 23.6163



53.2628, 38.8535, 25.8289



45.8723, 44.5521, 25.9207



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473

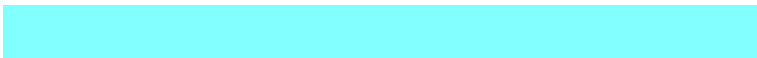


# Inverse Universe

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



44.7872, 57.3813, 72.3334



63.0213, 83.4853, 107.4004



35.1167, 38.0403, 69.1099



12.7922, 14.1078, 15.9864



21.8692, 32.0001, 43.4772

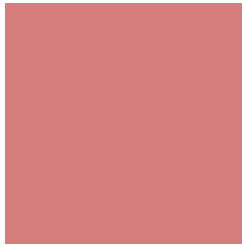


1.3191, 1.9301, 2.6223



# Previews

## White Background



This preview shows how the XYZ color 38.9583, 30.7242, 23.6157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

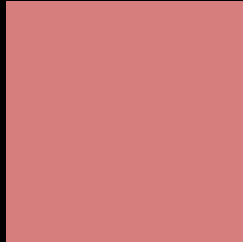
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.9583, 30.7242, 23.6157 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 38.9583, 30.7242, 23.6157**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9583, 30.7242, 23.6157.



This preview shows how white text looks on a background with the XYZ color 38.9583, 30.7242,



# 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

38.9583, 30.7242, 23.6157

### Protanopia

29.3984, 30.8158, 28.4433

### Deuteranopia

31.3797, 30.7948, 23.0290



## Tritanopia

39.6610, 30.8355, 26.4157

# Trichromacy



## Original Color

38.9583, 30.7242, 23.6157

## Protanomaly

32.1880, 30.2360, 26.6939

## Deuteranomaly

33.7128, 30.4510, 23.1696

## Tritanomaly

39.4547, 30.7530, 25.3292

# Monochromacy



## Original Color

38.9583, 30.7242, 23.6157

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

32.4596, 30.7421, 30.2096

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9583, 30.7242, 23.6157 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(214, 126, 126)` looks like.

```
.text, #text, p{  
    color:rgb(214, 126, 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(214, 126, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 126, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9583, 30.7242, 23.6157 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(214, 126, 126) }
```



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

```
.border{ border-color:rgb(214, 126, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 126, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 126, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 126, 126);  
box-shadow:4px 4px 4px 4px rgb(214, 126,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9583, 30.7242, 23.6157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 126, 126) }
```

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

```
.background{ background-color: rgb(214,  
126, 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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