

# Converting Colors

XYZ(40.4777, 33.2233, 27.2010)

Have a look what the booklet for  
XYZ(40.4777, 33.2233, 27.2010)  
contains.

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# Color

**XYZ(40.4777, 33.2233,  
27.2010)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D58787
RGB	213, 135, 135
RGB Percent	84%, 53%, 53%
CMY	0.1647, 0.4706, 0.4706
CMYK	0.00, 0.37, 0.37, 0.16
HSL	0°, 48%, 68%
HSV	0°, 37%, 84%
XYZ	40.4777, 33.2233, 27.2010
YIQ	158.3220, 46.4880, 16.5360

# Conversions

## Conversions Part 2

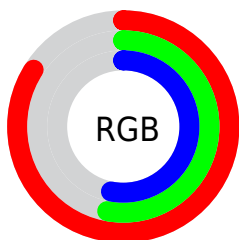
Format	Color
<a href="#">RYB</a>	<a href="#">213, 135, 135</a>
Decimal	<a href="#">13993863</a>
CIELab	<a href="#">64.34, 29.88, 12.56</a>
CIELCh	<a href="#">64, 32.413, 22.795</a>
Yxy	<a href="#">33.2233, 0.4012, 0.3293</a>
Android (android.graphics.Color)	<a href="#">4292183943</a> (0xFFD58787)
YUV	<a href="#">158.3220, -11.4977, 47.9526</a>
Hunter-Lab	<a href="#">57.6397, 24.4830, 12.3679</a>

# Details

The XYZ color **40.4777, 33.2233, 27.2010** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.7952, 57.5413, 71.6437**, and the grayscale version is **32.6822, 34.3842, 37.4444**.

A 20% lighter version of the original color is **68.5147, 61.2860, 55.7952**, and **18.5203, 14.0644, 10.3329** is the 20% darker color. If you saturate the color by 10%, you get **36.4451, 27.3228, 19.1835**, and if you desaturate by 10%, it is **45.4065, 40.4358, 36.9980**.

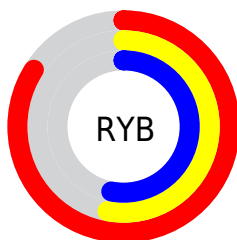
# Distribution



Red (84%)

Green (53%)

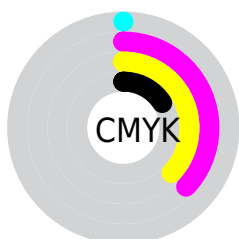
Blue (53%)



Red (84%)

Yellow (53%)

Blue (53%)

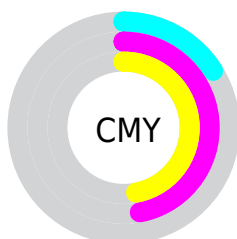


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (16%)



Cyan (16%)

Magenta (47%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4777, 33.2233, 27.2010 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 40.4777, 33.2233, 27.2010 by changing the saturation by 10% instead.





 40.4777, 33.2233,  
27.2010

 40.4777, 33.2233,  
27.2010

339.2329,  
316.6547, 302.4199


 28.0971, 22.2976,  
17.4905


 75.1701, 64.7240,  
56.2139

 18.5397, 14.0757,  
10.4192


 98.2126, 86.0677,  
76.3533

 11.4402, 8.1733,  
5.5685


 125.5398,  
111.6530, 100.8062

 6.4332, 4.2061,  
2.5200

157.5169,  
141.8640, 129.9909

 3.1534, 1.7895,  
0.8507

194.5095,  
177.0853, 164.3261

 1.2354, 0.4806,  
0.0000


236.8827,

 0.1340, 0.0000,

217.7013, 204.2303

0.0000


285.0021,  
264.0963, 250.1221

 0.0000, 0.0000,  
0.0000


 40.4777, 33.2233,  
27.2010


 40.4777, 33.2233,  
27.2010


 36.4451, 27.3228,  
19.1835


 45.4065, 40.4358,  
36.9980

 33.2525, 22.6510,  
12.8369


 51.2780, 49.0275,  
48.6704


 30.8413, 19.1227,  
8.0438

 58.1387, 59.0668,  
62.3094

 29.1445, 16.6397,  
4.6709

 66.0314, 70.6159,  
77.9998

 28.0837, 15.0874,  
2.5623

 74.9961, 83.7337,  
95.8215

■ 27.5583, 14.3185,  
1.5180

■ 81.2506, 92.8861,  
108.2542

■ 27.4407, 14.1464,  
1.2842

# Harmonies

## Analogous

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



41.2167, 33.2233, 39.4538



40.4777, 33.2233, 27.2010



37.2484, 33.2233, 19.4841

# Triad

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



40.4777, 33.2233, 27.2010



25.0289, 33.2233, 22.8897



30.4787, 33.2233, 67.6692

# Complementary

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



40.4777, 33.2233, 27.2010



45.7952, 57.5413, 71.6437

# 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.



26.5140, 33.2233, 60.4039



40.4777, 33.2233, 27.2010



23.5725, 33.2233, 33.0822

# Square

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



40.4777, 33.2233, 27.2010



28.2655, 33.2233, 17.4509



24.0885, 33.2233, 46.9319



35.1392, 33.2233, 64.9984



# Rectangle

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



40.4777, 33.2233, 27.2010



34.2738, 33.2233, 16.9350



24.0885, 33.2233, 46.9319



29.0270, 33.2233, 66.2584

# Sweetspot

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



40.4786, 33.2249, 27.2016



82.5541, 81.7150, 84.0584



48.1149, 36.2785, 67.4173



17.3685, 17.0493, 17.3927



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.



40.4786, 33.2249, 27.2016



55.9762, 42.8240, 31.2228



46.9500, 46.1677, 29.3588



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.



45.7952, 57.5413, 71.6437



65.1010, 84.5577, 107.4978



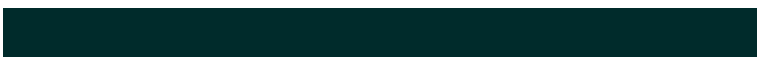
37.1382, 40.2274, 68.7581



12.7922, 14.1078, 15.9864



21.8691, 32.0000, 43.4772

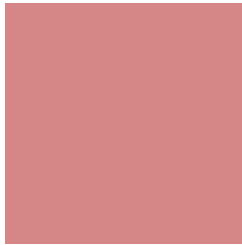


1.3191, 1.9301, 2.6223



# Previews

## White Background



This preview shows how the XYZ color 40.4777, 33.2233, 27.2010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

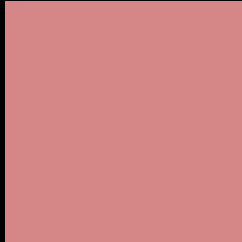
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.4777, 33.2233, 27.2010 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 40.4777, 33.2233, 27.2010**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4777, 33.2233, 27.2010.



This preview shows how white text looks on a background with the XYZ color 40.4777, 33.2233,



# 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

40.4777, 33.2233, 27.2010

### Protanopia

31.9771, 33.5336, 31.9814

### Deuteranopia

33.8936, 33.1819, 26.4482



## Tritanopia

41.2907, 33.3600, 30.6484

# Trichromacy



**Original Color**  
40.4777, 33.2233, 27.2010

**Protanomaly**  
34.5284, 32.9566, 30.1326

**Deuteranomaly**  
36.0973, 33.1507, 26.6865

**Tritanomaly**  
41.0644, 33.2694, 29.4566

# Monochromacy



**Original Color**  
40.4777, 33.2233, 27.2010

**Achromatopsia**  
32.4990, 34.1914, 37.2345

**Achromatomaly**  
34.7715, 33.4797, 33.4837

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4777, 33.2233, 27.2010 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, 135, 135) looks like.

```
.text, #text, p{  
    color:rgb(213, 135, 135)  
}
```

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, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 135, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4777, 33.2233, 27.2010 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, 135, 135) }
```



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

```
.border{ border-color:rgb(213, 135, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(213, 135,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4777, 33.2233, 27.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 135, 135) }
```

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

```
.background{ background-color: rgb(213,  
135, 135) }
```

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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