

# Converting Colors

XYZ(40.9301, 33.4822, 27.3636)

Have a look what the booklet for  
XYZ(40.9301, 33.4822, 27.3636)  
contains.

<b>XYZ(40.7687, 33.3734, 27.2146)</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(40.7687, 33.3734,  
27.2146)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D68787
RGB	214, 135, 135
RGB Percent	84%, 53%, 53%
CMY	0.1608, 0.4706, 0.4706
CMYK	0.00, 0.37, 0.37, 0.16
HSL	0°, 49%, 68%
HSV	0°, 37%, 84%
XYZ	40.7687, 33.3734, 27.2146
YIQ	158.6210, 47.0840, 16.7480

# Conversions

## Conversions Part 2

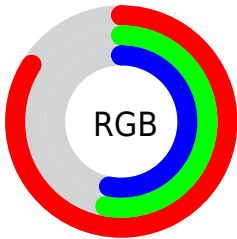
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 135, 135
Decimal	14059399
CIE Lab	64.46, 30.26, 12.75
CIE LCh	64, 32.834, 22.840
Yxy	33.3734, 0.4022, 0.3293
Android (android.graphics.Color)	4292249479 (0xFFD68787)
YUV	158.6210, -11.6452, 48.5674
Hunter-Lab	57.7697, 24.8723, 12.5080

# Details

The XYZ color **40.7687, 33.3734, 27.2146** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **46.1747, 58.0966, 72.3984**, and the grayscale version is **32.8189, 34.5280, 37.6010**.

A 20% lighter version of the original color is **68.5147, 61.2860, 55.7952**, and **18.7146, 14.1646, 10.3420** is the 20% darker color. If you saturate the color by 10%, you get **36.7192, 27.4482, 19.1635**, and if you desaturate by 10%, it is **45.7228, 40.6230, 37.0619**.

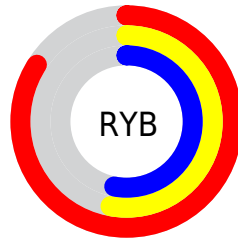
# Distribution



Red (84%)

Green (53%)

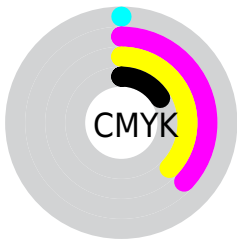
Blue (53%)



Red (84%)

Yellow (53%)

Blue (53%)

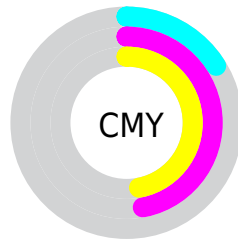


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (16%)



Cyan (16%)

Magenta (47%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7687, 33.3734, 27.2146 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 40.7687, 33.3734, 27.2146 by changing the saturation by 10% instead.





 40.7687, 33.3734,  
27.2146

 40.7687, 33.3734,  
27.2146


340.4321,  
317.3289, 302.4877


 28.3253, 22.4126,  
17.5006


 75.6096, 64.9581,  
56.2360

 18.7127, 14.1604,  
10.4263


 98.7377, 86.3508,  
76.3804

 11.5656, 8.2323,  
5.5732


 126.1582,  
111.9896, 100.8387

 6.5187, 4.2440,  
2.5228

158.2363,  
142.2589, 130.0295

 3.2066, 1.8109,  
0.8522

195.3373,  
177.5431, 164.3712

 1.2639, 0.4940,  
0.0000

237.8268,

 0.1560, 0.0000,

218.2265, 204.2825

0.0000

286.0699,  
264.6937, 250.1818

0.0000, 0.0000,  
0.0000

40.7687, 33.3734,  
27.2146

40.7687, 33.3734,  
27.2146

36.7192, 27.4482,  
19.1635

45.7228, 40.6230,  
37.0619

33.5173, 22.7629,  
12.7984

51.6287, 49.2650,  
48.8027

31.1037, 19.2309,  
8.0004

58.5336, 59.3688,  
62.5295

29.4100, 16.7525,  
4.6338

66.4806, 70.9975,  
78.3281

28.3567, 15.2111,  
2.5401

75.5105, 84.2107,  
96.2796

■ 27.8395, 14.4542,  
1.5122

■ 81.5415, 93.0361,  
108.2678

■ 27.7317, 14.2964,  
1.2979

# Harmonies

## Analogous

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



41.5254, 33.3734, 39.6495



40.7687, 33.3734, 27.2146



37.4795, 33.3734, 19.4100

# Triad

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



40.7687, 33.3734, 27.2146



25.0686, 33.3734, 22.8747



30.6108, 33.3734, 68.4210

# Complementary

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



40.7687, 33.3734, 27.2146



46.1747, 58.0966, 72.3984

# 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.



26.5838, 33.3734, 61.0233



40.7687, 33.3734, 27.2146



23.5948, 33.3734, 33.2161

# Square

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



40.7687, 33.3734, 27.2146



28.3503, 33.3734, 17.3689



24.1210, 33.3734, 47.3016



35.3476, 33.3734, 65.6804



# Rectangle

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



40.7687, 33.3734, 27.2146



34.4534, 33.3734, 16.8398



24.1210, 33.3734, 47.3016



29.1359, 33.3734, 66.9867

# Sweetspot

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



40.7696, 33.3750, 27.2152



82.5541, 81.7151, 84.0584



48.5332, 36.4794, 68.1015



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.



40.7696, 33.3750, 27.2152



55.9763, 42.8242, 31.2229



47.3377, 46.5113, 29.4046



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.



46.1747, 58.0966, 72.3984



65.1008, 84.5573, 107.4977



37.3623, 40.4718, 69.4609



12.7922, 14.1078, 15.9864



21.8689, 31.9996, 43.4771

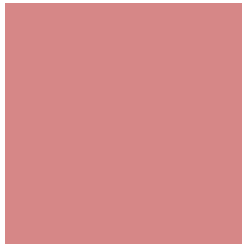


1.3191, 1.9301, 2.6223



# Previews

## White Background



This preview shows how the XYZ color 40.7687, 33.3734, 27.2146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

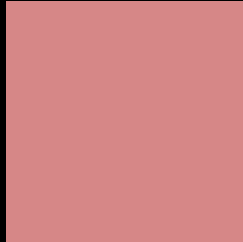
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7687, 33.3734, 27.2146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

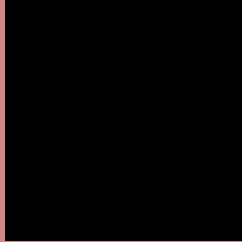
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.7687, 33.3734, 27.2146**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7687, 33.3734, 27.2146.



This preview shows how white text looks on a background with the XYZ color 40.7687, 33.3734,



# 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

40.7687, 33.3734, 27.2146

### Protanopia

31.9771, 33.5336, 31.9814

### Deuteranopia

34.2875, 33.6229, 26.5125



## Tritanopia

41.5835, 33.5109, 30.6621

# Trichromacy



## Original Color

40.7687, 33.3734, 27.2146

## Protanomaly

34.5284, 32.9566, 30.1326

## Deuteranomaly

36.3514, 33.2817, 26.6984

## Tritanomaly

41.3571, 33.4204, 29.4703

# Monochromacy



## Original Color

40.7687, 33.3734, 27.2146

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

35.0018, 33.5984, 33.4945

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7687, 33.3734, 27.2146 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, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 135, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7687, 33.3734, 27.2146 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, 135, 135) }
```



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

```
.border{ border-color:rgb(214, 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(214, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(214, 135,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7687, 33.3734, 27.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 135, 135) }
```

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

```
.background{ background-color: rgb(214,  
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](#).

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