

# Converting Colors

XYZ(39.7627, 32.1736, 19.8623)

Have a look what the booklet for  
XYZ(39.7627, 32.1736, 19.8623)  
contains.

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# Color

**XYZ(39.7122, 32.1766,  
19.7404)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D98371
RGB	217, 131, 113
RGB Percent	85%, 51%, 44%
CMY	0.1490, 0.4862, 0.5569
CMYK	0.00, 0.40, 0.48, 0.15
HSL	10°, 58%, 65%
HSV	10°, 48%, 85%
XYZ	39.7122, 32.1766, 19.7404
YIQ	154.6620, 57.0340, 12.6340

# Conversions

## Conversions Part 2

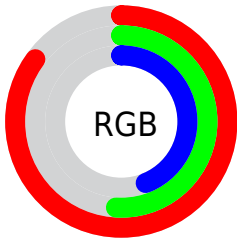
Format	Color
R <sub>Y</sub> B	217, 135, 113
Decimal	14254961
CIE Lab	63.49, 31.17, 23.85
CIE LCh	63, 39.251, 37.426
Yxy	32.1766, 0.4334, 0.3512
Android (android.graphics.Color)	4292445041 (0xFFD98371)
YUV	154.6620, -20.5394, 54.6704
Hunter-Lab	56.7244, 25.6983, 19.0739

# Details

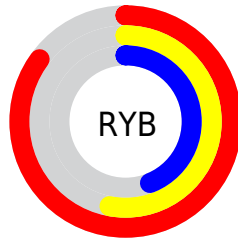
The XYZ color **39.7122, 32.1766, 19.7404** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **39.7567, 49.3648, 73.0784**, and the grayscale version is **31.0774, 32.6958, 35.6057**.

A 20% lighter version of the original color is **65.3805, 58.6745, 43.4767**, and **18.1209, 13.4899, 6.6498** is the 20% darker color. If you saturate the color by 10%, you get **36.4287, 27.3366, 13.3222**, and if you desaturate by 10%, it is **43.7067, 37.9714, 27.8371**.

# Distribution



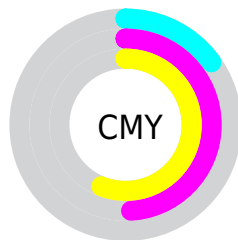
- Red (85%)
- Green (51%)
- Blue (44%)



- Red (85%)
- Yellow (53%)
- Blue (44%)



- Cyan (0%)
- Magenta (40%)
- Yellow (48%)
- Black (15%)




- Cyan (15%)
- Magenta (49%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7122, 32.1766, 19.7404 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 39.7122, 32.1766, 19.7404 by changing the saturation by 10% instead.





 39.7122, 32.1766,  
19.7404


 39.7122, 32.1766,  
19.7404


336.0643,  
311.9229, 263.0639

 27.4974, 21.4964,  
12.0243

 74.0122, 63.0878,  
43.8347


 18.0857, 13.4874,  
6.6375


 96.8281, 84.0877,  
61.0501

 11.1116, 7.7650,  
3.1614


 123.9085,  
109.2962, 82.2688

 6.2098, 3.9449,  
1.1776

 155.6187,  
139.0978, 107.9097

 3.0149, 1.6428,  
0.0000

192.3240,  
173.8769, 138.3910

 1.1617, 0.3862,  
0.0000

234.3898,

 0.0758, 0.0000,

214.0179, 174.1315

0.0000

282.1814,  
259.9051, 215.5496

■ 0.0000, 0.0000,  
0.0000

■ 39.7122, 32.1766,  
19.7404

■ 39.7122, 32.1766,  
19.7404

■ 36.4287, 27.3366,  
13.3222

■ 43.7067, 37.9714,  
27.8371

■ 33.8111, 23.3949,  
8.4622

■ 48.4489, 44.7636,  
37.7175

■ 31.8129, 20.2968,  
5.0266


■ 53.9757, 52.5992,  
49.4805


■ 30.3799, 17.9792,  
2.8582


■ 60.3209, 61.5198,  
63.2169

■ 29.4429, 16.3676,  
1.7367

■ 67.5162, 71.5649,  
79.0119

 29.2946, 16.1105,  
1.5656

 75.5916, 82.7717,  
96.9456

 82.4252, 93.4917,  
108.3092

# Harmonies

## Analogous

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



42.2342, 32.1766, 31.2866



39.7122, 32.1766, 19.7404



34.7977, 32.1766, 13.9421

# Triad

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



39.7122, 32.1766, 19.7404



21.8680, 32.1766, 24.7033



31.9615, 32.1766, 74.1635

# Complementary

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



39.7122, 32.1766, 19.7404



39.7567, 49.3648, 73.0784

# 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.



26.7229, 32.1766, 70.8288



39.7122, 32.1766, 19.7404



21.2996, 32.1766, 39.0711

# Square

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



39.7122, 32.1766, 19.7404



24.6296, 32.1766, 16.1547



22.9723, 32.1766, 56.6975



37.4256, 32.1766, 64.7889



# Rectangle

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



39.7122, 32.1766, 19.7404



31.0574, 32.1766, 12.7467



22.9723, 32.1766, 56.6975



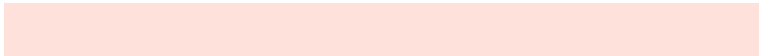
30.1133, 32.1766, 74.5303

# Sweetspot

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



39.7130, 32.1782, 19.7410



81.1211, 80.5010, 78.4878



44.9068, 30.7167, 58.0015



16.9499, 16.6484, 15.9081



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.



39.7130, 32.1782, 19.7410



52.2464, 39.0183, 18.7151



48.3922, 49.5366, 22.6341



13.2374, 13.4141, 13.6171



17.7870, 9.8595, 0.9656



1.2085, 0.7510, 0.0813



# Inverse Universe

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



39.7567, 49.3648, 73.0784



52.2539, 66.6090, 104.7105



29.8723, 29.5961, 69.7836



13.2431, 14.4259, 16.7386



17.4611, 22.7917, 43.2173



1.1828, 1.5797, 2.8170



# Previews

## White Background



This preview shows how the XYZ color 39.7122, 32.1766, 19.7404 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 39.7122, 32.1766, 19.7404 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 39.7122, 32.1766, 19.7404

## Background



This preview shows how black text looks on a background with the XYZ color 39.7122, 32.1766, 19.7404.



This preview shows how white text looks on a background with the XYZ color 39.7122, 32.1766,



# 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

39.7122, 32.1766, 19.7404

### Protanopia

30.4406, 32.4338, 23.3948

### Deuteranopia

32.9328, 32.3729, 19.2647



## Tritanopia

41.4479, 32.3046, 27.7178

# Trichromacy



## Original Color

39.7122, 32.1766, 19.7404

## Protanomaly

33.1371, 31.9570, 21.8746

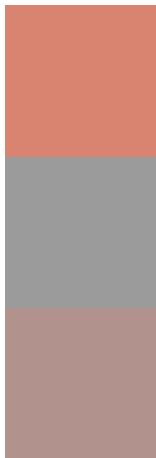
## Deuteranomaly

35.0479, 32.0958, 19.3868

## Tritanomaly

40.6600, 32.1645, 24.4874

# Monochromacy



## Original Color

39.7122, 32.1766, 19.7404

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

33.3726, 31.9162, 29.2125

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7122, 32.1766, 19.7404 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(217, 131, 113)` looks like.

```
.text, #text, p{  
    color:rgb(217, 131, 113)  
}
```

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(217, 131, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 131, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7122, 32.1766, 19.7404 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".

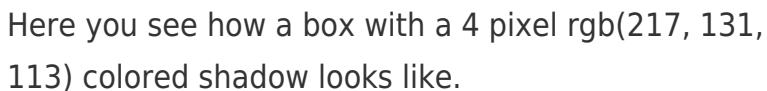
```
.border, #border, table{ border:4px solid rgb(217, 131, 113) }
```



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

```
.border{ border-color:rgb(217, 131, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 131, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 131, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 131, 113); box-shadow:4px 4px 4px 4px rgb(217, 131, 113) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7122, 32.1766, 19.7404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 131, 113) }
```

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

```
.background{ background-color: rgb(217,  
131, 113) }
```

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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