

# Converting Colors

XYZ(39.7857, 32.9802, 22.0382)

Have a look what the booklet for  
XYZ(39.7857, 32.9802, 22.0382)  
contains.

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# Color

**XYZ(39.7857, 32.9802,  
22.0382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D68778
RGB	214, 135, 120
RGB Percent	84%, 53%, 47%
CMY	0.1608, 0.4706, 0.5294
CMYK	0.00, 0.37, 0.44, 0.16
HSL	10°, 53%, 65%
HSV	10°, 44%, 84%
XYZ	39.7857, 32.9802, 22.0382
YIQ	156.9110, 51.8990, 12.0830

# Conversions

## Conversions Part 2

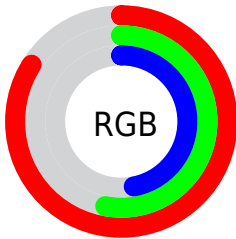
Format	Color
R <sub>Y</sub> B	214, 138, 120
Decimal	14059384
CIE Lab	64.14, 28.57, 20.75
CIE LCh	64, 35.314, 35.993
Yxy	32.9802, 0.4197, 0.3479
Android (android.graphics.Color)	4292249464 (0xFFD68778)
YUV	156.9110, -18.1971, 50.0671
Hunter-Lab	57.4284, 23.1630, 17.4473

# Details

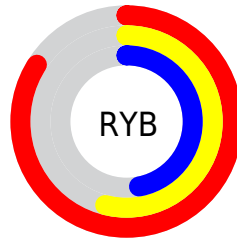
The XYZ color **39.7857, 32.9802, 22.0382** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **40.3057, 49.6927, 71.0855**, and the grayscale version is **32.0715, 33.7417, 36.7448**.

A 20% lighter version of the original color is **66.8840, 60.6337, 47.2080**, and **18.0180, 13.8635, 7.6875** is the 20% darker color. If you saturate the color by 10%, you get **36.3285, 27.9171, 15.1785**, and if you desaturate by 10%, it is **43.9587, 39.0103, 30.5690**.

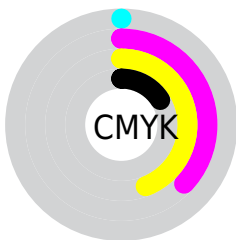
# Distribution



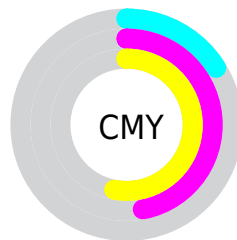
- Red (84%)
- Green (53%)
- Blue (47%)



- Red (84%)
- Yellow (54%)
- Blue (47%)



- Cyan (0%)
- Magenta (37%)
- Yellow (44%)
- Black (16%)




- Cyan (16%)
- Magenta (47%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7857, 32.9802, 22.0382 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 39.7857, 32.9802, 22.0382 by changing the saturation by 10% instead.





 39.7857, 32.9802,  
22.0382


 39.7857, 32.9802,  
22.0382


336.3694,  
315.5605, 275.7057

 27.5550, 22.1113,  
13.6864


 74.1235, 64.3446,  
47.7121

 18.1292, 13.9387,  
7.7666


 96.9613, 85.6089,  
65.8713

 11.1430, 8.0780,  
3.8604


 124.0654,  
111.1071, 88.1367

 6.2311, 4.1449,  
1.5490

155.8013,  
141.2236, 114.9269

 3.0281, 1.7550,  
0.2541

192.5343,  
176.3428, 146.6603

 1.1686, 0.4589,  
0.0000

234.6298,

 0.0814, 0.0000,

216.8491, 183.7555

0.0000

282.4530,  
263.1268, 226.6312

■ 0.0000, 0.0000,  
0.0000

■ 39.7857, 32.9802,  
22.0382

■ 39.7857, 32.9802,  
22.0382

■ 36.3285, 27.9171,  
15.1785

■ 43.9587, 39.0103,  
30.5690

■ 33.5436, 23.7657,  
9.8778

■ 48.8825, 46.0493,  
40.8690

■ 31.3869, 20.4726,  
6.0133


■ 54.5928, 54.1423,  
53.0312

■ 29.8074, 17.9767,  
3.4427


■ 61.1224, 63.3304,  
67.1413

■ 28.7458, 16.2085,  
1.9943

■ 68.5019, 73.6525,  
83.2797

 28.3081, 15.4494,  
1.4900

 76.7606, 85.1454,  
101.5225

 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.



41.9124, 32.9802, 33.1112



39.7857, 32.9802, 22.0382



35.4227, 32.9802, 16.1743

# Triad

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



39.7857, 32.9802, 22.0382



23.3595, 32.9802, 25.8330



32.3612, 32.9802, 70.8400

# Complementary

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



39.7857, 32.9802, 22.0382



40.3057, 49.6927, 71.0855

# 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.



27.5960, 32.9802, 67.3883



39.7857, 32.9802, 22.0382



22.7250, 32.9802, 38.8618

# Square

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



39.7857, 32.9802, 22.0382



26.0297, 32.9802, 17.9228



24.1943, 32.9802, 54.6417



37.3425, 32.9802, 63.1088



# Rectangle

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



39.7857, 32.9802, 22.0382



32.0232, 32.9802, 14.8522



24.1943, 32.9802, 54.6417



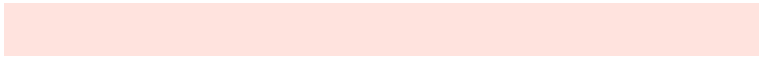
30.6798, 32.9802, 70.9710

# Sweetspot

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



39.7865, 32.9818, 22.0388



81.9126, 81.5416, 80.4237



44.8617, 31.8948, 58.3741



17.1006, 16.8431, 16.2873



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.



39.7865, 32.9818, 22.0388



54.2086, 41.7874, 22.9303



47.6660, 48.7407, 24.6653



12.5818, 12.7378, 12.9562



17.1601, 9.4375, 0.9172



1.0861, 0.6714, 0.0724

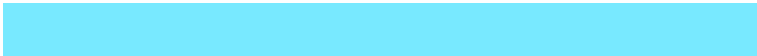


# Inverse Universe

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



40.3057, 49.6927, 71.0855



55.0346, 69.7218, 105.1648



31.2584, 31.5981, 68.0697



12.6155, 13.7545, 15.9275



17.2458, 22.7533, 41.9360



1.0865, 1.4649, 2.5448



# Previews

## White Background



This preview shows how the XYZ color 39.7857, 32.9802, 22.0382 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 39.7857, 32.9802, 22.0382 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 39.7857, 32.9802, 22.0382**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7857, 32.9802, 22.0382.



This preview shows how white text looks on a background with the XYZ color 39.7857, 32.9802,



# 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

39.7857, 32.9802, 22.0382

### Protanopia

31.4348, 33.3880, 25.9068

### Deuteranopia

33.7255, 32.9696, 21.4159



## Tritanopia

41.4527, 33.0545, 29.7865

# Trichromacy



## Original Color

39.7857, 32.9802, 22.0382

## Protanomaly

33.8842, 32.7534, 24.2748

## Deuteranomaly

35.7490, 32.8566, 21.5973

## Tritanomaly

40.7149, 32.9434, 26.7670

# Monochromacy



## Original Color

39.7857, 32.9802, 22.0382

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

34.1416, 32.9735, 30.9506

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7857, 32.9802, 22.0382 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(214, 135, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 135, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7857, 32.9802, 22.0382 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, 120) }
```



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

```
.border{ border-color:rgb(214, 135, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 135, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 135, 120);  
box-shadow:4px 4px 4px 4px rgb(214, 135,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7857, 32.9802, 22.0382 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, 120) }
```

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

```
.background{ background-color: rgb(214,  
135, 120) }
```

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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