

# Converting Colors

XYZ(46.7471, 38.8918, 32.4831)

Have a look what the booklet for  
XYZ(46.7471, 38.8918, 32.4831)  
contains.

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# Color

**XYZ(46.7515, 38.9816,  
32.6639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E19393
RGB	225, 147, 147
RGB Percent	88%, 58%, 58%
CMY	0.1176, 0.4235, 0.4235
CMYK	0.00, 0.35, 0.35, 0.12
HSL	0°, 57%, 73%
HSV	0°, 35%, 88%
XYZ	46.7515, 38.9816, 32.6639
YIQ	170.3220, 46.4880, 16.5360

# Conversions

## Conversions Part 2

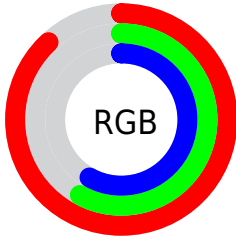
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 147, 147
Decimal	14783379
CIE Lab	68.74, 29.44, 12.21
CIE LCh	69, 31.873, 22.534
Yxy	38.9816, 0.3949, 0.3292
Android (android.graphics.Color)	4292973459 (0xFFE19393)
YUV	170.3220, -11.4977, 47.9526
Hunter-Lab	62.4352, 24.3991, 12.6863

# Details

The XYZ color **46.7515, 38.9816, 32.6639** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **52.5473, 65.4871, 81.1049**, and the grayscale version is **38.4095, 40.4097, 44.0062**.

A 20% lighter version of the original color is **72.9031, 67.7181, 64.4868**, and **22.3983, 17.3723, 13.4819** is the 20% darker color. If you saturate the color by 10%, you get **41.9926, 32.0183, 23.2023**, and if you desaturate by 10%, it is **52.5419, 47.4550, 44.1737**.

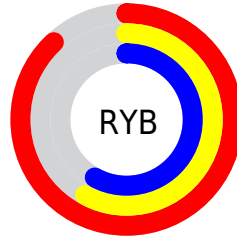
# Distribution



Red (88%)

Green (58%)

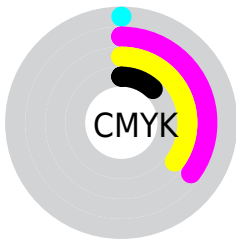
Blue (58%)



Red (88%)

Yellow (58%)

Blue (58%)

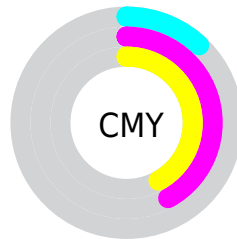


Cyan (0%)

Magenta (35%)

Yellow (35%)

Black (12%)



Cyan (12%)

Magenta (42%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7515, 38.9816, 32.6639 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 46.7515, 38.9816, 32.6639 by changing the saturation by 10% instead.





 46.7515, 38.9816,  
32.6639

 46.7515, 38.9816,  
32.6639


364.4872,  
341.8123, 328.7180

 33.0464, 26.7454,  
21.6001


 84.5636, 73.6102,  
64.9604

 22.3214, 17.3821,  
13.3678


 109.4012, 96.7714,  
87.0301

 14.2112, 10.5073,  
7.5486


138.6804,  
124.3431, 113.6056

 8.3504, 5.7366,  
3.7239

172.7666,  
156.7096, 145.1054

 4.3736, 2.6856,  
1.4751

212.0249,  
194.2554, 181.9480

 1.9156, 0.9699,  
0.1993

256.8209,

 0.5859, 0.0000,

237.3649, 224.5519

0.0000

307.5199,  
286.4223, 273.3357

■ 0.0000, 0.0000,  
0.0000

■ 46.7515, 38.9816,  
32.6639

■ 46.7515, 38.9816,  
32.6639

■ 41.9926, 32.0183,  
23.2023

■ 52.5419, 47.4550,  
44.1737

■ 38.2019, 26.4714,  
15.6667

■ 59.4162, 57.5140,  
57.8396

■ 35.3139, 22.2453,  
9.9257

■ 67.4268, 69.2357,  
73.7644

■ 33.2536, 19.2304,  
5.8302

■ 76.6218, 82.6906,  
92.0441

■ 31.9341, 17.2996,  
3.2076

■ 84.8613, 94.7475,  
108.4232

■ 31.2493, 16.2974,  
1.8466

■ 31.0515, 16.0079,  
1.4532

# Harmonies

## Analogous

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



47.5244, 38.9816, 46.1574



46.7515, 38.9816, 32.6639



43.2698, 38.9816, 23.9933

# Triad

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



46.7515, 38.9816, 32.6639



29.8730, 38.9816, 27.6897



35.8047, 38.9816, 76.3755

# Complementary

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



46.7515, 38.9816, 32.6639



52.5473, 65.4871, 81.1049

# 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.



31.4582, 38.9816, 68.5311



46.7515, 38.9816, 32.6639



28.2416, 38.9816, 38.9360

# Square

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



46.7515, 38.9816, 32.6639



33.4566, 38.9816, 21.6091



28.7944, 38.9816, 54.0048



40.8937, 38.9816, 73.6202



# Rectangle

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



46.7515, 38.9816, 32.6639



40.0391, 38.9816, 21.0779



28.7944, 38.9816, 54.0048



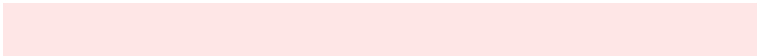
34.2151, 38.9816, 74.8395

# Sweetspot

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



46.7525, 38.9835, 32.6647



83.6111, 83.2617, 86.1596



55.0758, 42.3116, 76.4983



17.5792, 17.3576, 17.8115



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.



46.7525, 38.9835, 32.6647



57.1527, 44.5455, 33.5614



53.8769, 53.2322, 35.0394



13.7074, 13.7007, 14.2288



17.8933, 9.2245, 0.8374



1.2403, 0.6394, 0.0581



# Inverse Universe

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



52.5473, 65.4871, 81.1049



66.0025, 85.0222, 107.5400



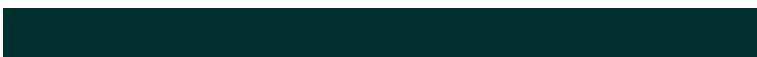
43.1824, 46.7574, 77.9832



14.1166, 15.5722, 17.6494



23.3449, 34.1593, 46.4114

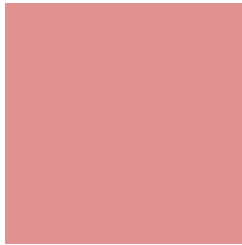


1.6182, 2.3678, 3.2170



# Previews

## White Background



This preview shows how the XYZ color 46.7515, 38.9816, 32.6639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

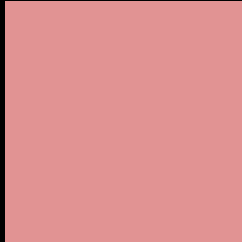
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.7515, 38.9816, 32.6639 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 46.7515, 38.9816, 32.6639**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7515, 38.9816, 32.6639.



This preview shows how white text looks on a background with the XYZ color 46.7515, 38.9816,

32.6639.

# 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

46.7515, 38.9816, 32.6639

### Protanopia

37.4458, 39.1047, 37.9221

### Deuteranopia

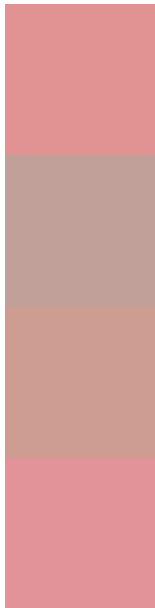
39.9467, 39.1917, 31.8449



## Tritanopia

47.6437, 39.1268, 36.4936

# Trichromacy



## Original Color

46.7515, 38.9816, 32.6639

## Protanomaly

40.3959, 38.8122, 35.9343

## Deuteranomaly

42.3446, 39.1374, 32.1105

## Tritanomaly

47.3927, 39.0264, 35.1720

# Monochromacy



## Original Color

46.7515, 38.9816, 32.6639

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.6771, 39.3964, 39.6428

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7515, 38.9816, 32.6639 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(225, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(225, 147, 147)  
}
```

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(225, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 147, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7515, 38.9816, 32.6639 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(225, 147, 147) }
```



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

```
.border{ border-color:rgb(225, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(225, 147,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7515, 38.9816, 32.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 147, 147) }
```

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

```
.background{ background-color: rgb(225,  
147, 147) }
```

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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