

# Converting Colors

XYZ(45.9297, 37.6144, 28.9996)

Have a look what the booklet for  
XYZ(45.9297, 37.6144, 28.9996)  
contains.

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# Color

**XYZ(46.0885, 37.8108,  
28.9138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E38F8A
RGB	227, 143, 138
RGB Percent	89%, 56%, 54%
CMY	0.1098, 0.4392, 0.4588
CMYK	0.00, 0.37, 0.39, 0.11
HSL	3°, 61%, 72%
HSV	3°, 39%, 89%
XYZ	46.0885, 37.8108, 28.9138
YIQ	167.5460, 51.6690, 16.2530

# Conversions

## Conversions Part 2

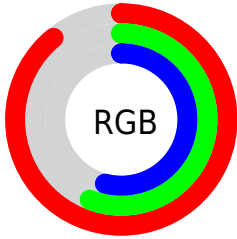
Format	Color
R <sub>Y</sub> B	227, 143, 138
Decimal	14913418
CIE Lab	67.88, 31.26, 16.07
CIE LCh	68, 35.148, 27.208
Yxy	37.8108, 0.4085, 0.3352
Android (android.graphics.Color)	4293103498 (0xFFE38F8A)
YUV	167.5460, -14.5662, 52.1412
Hunter-Lab	61.4905, 26.1814, 15.1642

# Details

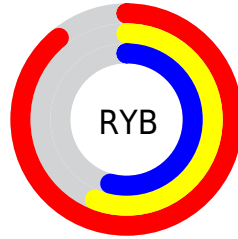
The XYZ color **46.0885, 37.8108, 28.9138** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.4665, 63.1894, 82.2100**, and the grayscale version is **37.0493, 38.9787, 42.4478**.

A 20% lighter version of the original color is **70.8381, 65.4098, 58.1820**, and **21.8647, 16.6218, 11.2884** is the 20% darker color. If you saturate the color by 10%, you get **41.6989, 31.3924, 20.1722**, and if you desaturate by 10%, it is **51.4377, 45.5985, 39.6705**.

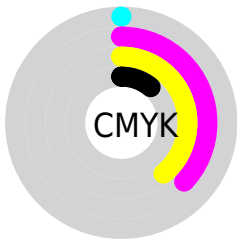
# Distribution



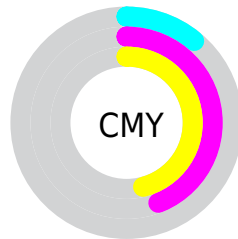
- Red (89%)
- Green (56%)
- Blue (54%)



- Red (89%)
- Yellow (56%)
- Blue (54%)



- Cyan (0%)
- Magenta (37%)
- Yellow (39%)
- Black (11%)




- Cyan (11%)
- Magenta (44%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0885, 37.8108, 28.9138 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 46.0885, 37.8108, 28.9138 by changing the saturation by 10% instead.





 46.0885, 37.8108,  
28.9138


 46.0885, 37.8108,  
28.9138


361.8743,  
336.8077, 310.8562


 32.5206, 25.8359,  
18.7706


 83.5785, 71.8181,  
58.9807

 21.9169, 16.7009,  
11.3295


 108.2313, 94.6192,  
79.7414

 13.9121, 10.0215,  
6.1720


 137.3097,  
121.7978, 104.8784

 8.1409, 5.4132,  
2.8795

171.1792,  
153.7384, 134.8102

 4.2378, 2.4917,  
1.0334

210.2050,  
190.8252, 169.9553

 1.8375, 0.8725,  
0.0000

254.7526,

 0.5401, 0.0000,

233.4428, 210.7324

0.0000

305.1872,  
281.9755, 257.5598

0.0000, 0.0000,  
0.0000

46.0885, 37.8108,  
28.9138

46.0885, 37.8108,  
28.9138

41.6989, 31.3924,  
20.1722

51.4377, 45.5985,  
39.6705

38.2092, 26.2591,  
13.3182

57.7956, 54.8224,  
52.5545

35.5579, 22.3258,  
8.2132

65.2113, 65.5517,  
67.6726

33.6744, 19.4950,  
4.6987

73.7300, 77.8496,  
85.1237

32.4762, 17.6540,  
2.5876

83.3942, 91.7754,  
105.0005

■ 31.8518, 16.6616,  
1.5889

■ 85.4886, 95.0709,  
108.4525

■ 31.8195, 16.6128,  
1.5295

# Harmonies

## Analogous

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



47.4560, 37.8108, 42.6491



46.0885, 37.8108, 28.9138



41.9186, 37.8108, 20.7404

# Triad

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



46.0885, 37.8108, 28.9138



27.8277, 37.8108, 26.9585



35.4299, 37.8108, 79.0175

# Complementary

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



46.0885, 37.8108, 28.9138



50.4665, 63.1894, 82.2100

# 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.



30.5552, 37.8108, 71.9093



46.0885, 37.8108, 28.9138



26.4530, 37.8108, 39.7245

# Square

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



46.0885, 37.8108, 28.9138



31.3557, 37.8108, 19.8283



27.3994, 37.8108, 56.4754



40.9463, 37.8108, 74.0510



# Rectangle

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



46.0885, 37.8108, 28.9138



38.3090, 37.8108, 18.2871



27.3994, 37.8108, 56.4754



33.6670, 37.8108, 77.9269

# Sweetspot

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



46.0895, 37.8127, 28.9145



81.9781, 81.1220, 82.1432



54.0259, 39.8116, 74.3314



17.2692, 16.9622, 17.0160



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.



46.0895, 37.8127, 28.9145



55.2804, 42.3268, 28.2334



54.0259, 53.6856, 31.5600



14.4417, 14.4973, 14.9416



18.5840, 9.7421, 0.9009



1.3964, 0.7661, 0.0743



# Inverse Universe

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



50.4665, 63.1894, 82.2100



61.7132, 79.6781, 106.7345



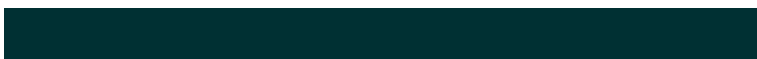
40.2770, 42.8104, 78.8135



14.7344, 16.1902, 18.4928



22.1742, 31.4105, 47.2773



1.6599, 2.3637, 3.5007



# Previews

## White Background



This preview shows how the XYZ color 46.0885, 37.8108, 28.9138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

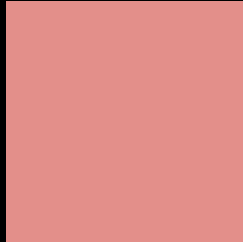
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0885, 37.8108, 28.9138 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 46.0885, 37.8108, 28.9138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0885, 37.8108, 28.9138.



This preview shows how white text looks on a background with the XYZ color 46.0885, 37.8108,

28.9138.

# 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

46.0885, 37.8108, 28.9138

### Protanopia

36.1135, 37.9644, 33.8583

### Deuteranopia

38.5095, 37.7520, 28.1789



## Tritanopia

47.1057, 37.7781, 34.0873

# Trichromacy



## Original Color

46.0885, 37.8108, 28.9138

## Protanomaly

39.1601, 37.4957, 31.9615

## Deuteranomaly

41.0120, 37.5392, 28.3768

## Tritanomaly

46.8562, 37.9153, 32.0429

# Monochromacy



## Original Color

46.0885, 37.8108, 28.9138

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

39.4702, 38.0494, 37.1623

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0885, 37.8108, 28.9138 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(227, 143, 138)` looks like.

```
.text, #text, p{  
    color:rgb(227, 143, 138)  
}
```

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(227, 143, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 143, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0885, 37.8108, 28.9138 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(227, 143, 138) }
```



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

```
.border{ border-color:rgb(227, 143, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 143, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 143, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 143, 138); box-shadow:4px 4px 4px 4px rgb(227, 143, 138) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0885, 37.8108, 28.9138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 143, 138) }
```

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

```
.background{ background-color: rgb(227,  
143, 138) }
```

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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