

Converting Colors

XYZ(46.8070, 38.8368, 37.9666)

Have a look what the booklet for
XYZ(46.8070, 38.8368, 37.9666)
contains.

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Color

**XYZ(46.8159, 38.9002,
37.8419)**

Conversions

Conversions Part 1

Format	Color
Hex	DE939F
RGB	222, 147, 159
RGB Percent	87%, 58%, 62%
CMY	0.1294, 0.4235, 0.3765
CMYK	0.00, 0.34, 0.28, 0.13
HSL	350°, 53%, 72%
HSV	350°, 34%, 87%
XYZ	46.8159, 38.9002, 37.8419
YIQ	170.7930, 40.8480, 19.6320

Conversions

Conversions Part 2

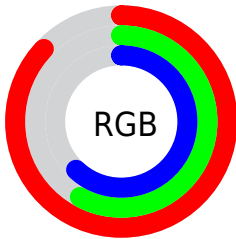
Format	Color
R _Y B	222, 147, 159
Decimal	14586783
CIE Lab	68.68, 29.88, 5.38
CIE LCh	69, 30.356, 10.213
Yxy	38.9002, 0.3789, 0.3148
Android (android.graphics.Color)	4292776863 (0xFFDE939F)
YUV	170.7930, -5.8139, 44.9085
Hunter-Lab	62.3700, 24.8373, 7.6859

Details

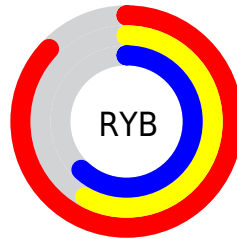
The XYZ color **46.8159, 38.9002, 37.8419** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.7884, 63.0996, 70.5312**, and the grayscale version is **38.6196, 40.6308, 44.2470**.

A 20% lighter version of the original color is **74.4981, 68.3561, 72.8859**, and **22.3160, 17.2665, 16.3439** is the 20% darker color. If you saturate the color by 10%, you get **42.1929, 32.0515, 28.9100**, and if you desaturate by 10%, it is **52.3513, 47.1825, 48.2835**.

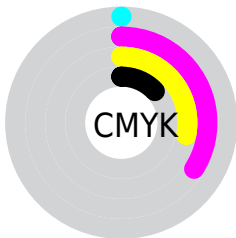
Distribution



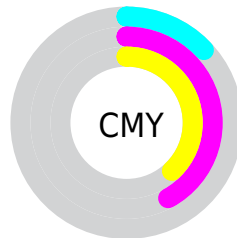
- Red (87%)
- Green (58%)
- Blue (62%)



- Red (87%)
- Yellow (58%)
- Blue (62%)



- Cyan (0%)
- Magenta (34%)
- Yellow (28%)
- Black (13%)





- Cyan (13%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8159, 38.9002, 37.8419 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 46.8159, 38.9002, 37.8419 by changing the saturation by 10% instead.


 46.8159, 38.9002,
37.8419


 46.8159, 38.9002,
37.8419


364.7404,
341.4660, 352.2191

 33.0975, 26.6821,
25.5591


 84.6592, 73.4858,
73.0665

 22.3607, 17.3346,
16.2713


 109.5147, 96.6222,
96.8454

 14.2403, 10.4733,
9.5599

138.8134,
124.1667, 125.2934

 8.3708, 5.7139,
5.0064

172.9205,
156.5038, 158.8290

 4.3869, 2.6719,
2.1922

212.2014,
194.0179, 197.8709

 1.9233, 0.9630,
0.6699

257.0214,

 0.5903, 0.0000,

237.0933, 242.8375

0.0000

307.7460,
286.1146, 294.1474

■ 0.0000, 0.0000,
0.0000

■ 46.8159, 38.9002,
37.8419

■ 46.8159, 38.9002,
37.8419

■ 42.1929, 32.0515,
28.9100

■ 52.3513, 47.1825,
48.2835

■ 38.4298, 26.5496,
21.4151

■ 58.8416, 56.9676,
60.2979

■ 35.4736, 22.3069,
15.2821

■ 66.3303, 68.3271,
73.9477

■ 33.2638, 19.2230,
10.4280

■ 74.8573, 81.3261,
89.2912

■ 31.7315, 17.1822,
6.7606

■ 83.4941, 94.0936,
106.0618

■ 30.7939, 16.0446,
4.1745

■ 83.9343, 94.2696,
108.3798

■ 30.4353, 15.6540,
3.0474

Harmonies

Analogous

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



46.3510, 38.9002, 51.9441



46.8159, 38.9002, 37.8419



44.4752, 38.9002, 27.4855

Triad

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



46.8159, 38.9002, 37.8419



31.3315, 38.9002, 25.2138



33.9376, 38.9002, 72.3970

Complementary

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



46.8159, 38.9002, 37.8419



49.7884, 63.0996, 70.5312

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.



30.3666, 38.9002, 61.8056



46.8159, 38.9002, 37.8419



28.9546, 38.9002, 34.0265

Square

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



46.8159, 38.9002, 37.8419



35.3618, 38.9002, 21.3118



28.6173, 38.9002, 47.2149



38.6334, 38.9002, 74.0409

Rectangle

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



46.8159, 38.9002, 37.8419



41.7483, 38.9002, 23.3150



28.6173, 38.9002, 47.2149



32.5773, 38.9002, 69.6717

Sweetspot

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



46.8170, 38.9021, 37.8427



84.1887, 83.4921, 89.2033



50.0560, 39.7716, 74.1459



17.7176, 17.4127, 18.5406



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.



46.8170, 38.9021, 37.8427



59.2093, 46.0130, 42.4037



50.1444, 47.1429, 34.0627



13.7962, 13.7361, 14.6969



18.1045, 9.3088, 1.9502



1.2827, 0.6564, 0.2816

Inverse Universe

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



46.8170, 38.9021, 37.8427



59.2093, 46.0130, 42.4037



45.1852, 51.4109, 76.6492



13.7962, 13.7361, 14.6969



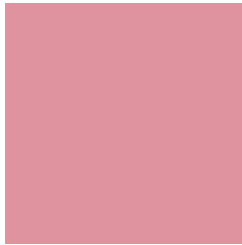
18.1045, 9.3088, 1.9502



1.2827, 0.6564, 0.2816

Previews

White Background



This preview shows how the XYZ color 46.8159, 38.9002, 37.8419 looks on a white background.

Color Contrast Check

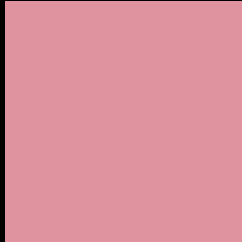
Large Text (above 18pt) WCAG AA × Fail

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 46.8159, 38.9002, 37.8419 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 46.8159, 38.9002, 37.8419

Background



This preview shows how black text looks on a background with the XYZ color 46.8159, 38.9002, 37.8419.



This preview shows how white text looks on a background with the XYZ color 46.8159, 38.9002,

37.8419.

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

46.8159, 38.9002, 37.8419

Protanopia

37.6520, 39.0858, 43.5900

Deuteranopia

39.6601, 38.9323, 36.8769



Tritanopia

46.7295, 38.8657, 37.3867

Trichromacy



Original Color

46.8159, 38.9002, 37.8419

Protanomaly

40.4400, 38.7136, 41.4174

Deuteranomaly

41.9622, 38.8276, 37.1811

Tritanomaly

46.7295, 38.8657, 37.3867

Monochromacy



Original Color

46.8159, 38.9002, 37.8419

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.1306, 39.5778, 42.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8159, 38.9002, 37.8419 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(222, 147, 159)` looks like.

```
.text, #text, p{  
    color:rgb(222, 147, 159)  
}
```

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(222, 147, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 147, 159) }
```

Border

The CSS property to change the border of an element to XYZ 46.8159, 38.9002, 37.8419 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(222, 147, 159) }
```


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

```
.border{ border-color:rgb(222, 147, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 147, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 147, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 147, 159); box-shadow:4px 4px 4px 4px rgb(222, 147, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8159, 38.9002, 37.8419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 147, 159) }
```

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

```
.background{ background-color: rgb(222,  
147, 159) }
```

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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