

# Converting Colors

XYZ(44.8313, 40.7494, 38.2232)

Have a look what the booklet for  
XYZ(44.8313, 40.7494, 38.2232)  
contains.

<b>XYZ(44.9506, 40.8548, 38.3175)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.9506, 40.8548,  
38.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D19F9F
RGB	209, 159, 159
RGB Percent	82%, 62%, 62%
CMY	0.1804, 0.3764, 0.3765
CMYK	0.00, 0.24, 0.24, 0.18
HSL	0°, 35%, 72%
HSV	0°, 24%, 82%
XYZ	44.9506, 40.8548, 38.3175
YIQ	173.9500, 29.8000, 10.6000

# Conversions

## Conversions Part 2

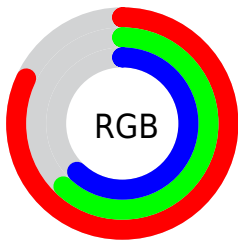
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 159, 159
Decimal	13737887
CIE Lab	70.07, 18.55, 7.20
CIE LCh	70, 19.895, 21.220
Yxy	40.8548, 0.3621, 0.3291
Android (android.graphics.Color)	4291927967 (0xFFD19F9F)
YUV	173.9500, -7.3704, 30.7388
Hunter-Lab	63.9178, 13.6753, 9.1992

# Details

The XYZ color **44.9506, 40.8548, 38.3175** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.6064, 57.5735, 68.8727**, and the grayscale version is **40.2333, 42.3286, 46.0958**.

A 20% lighter version of the original color is **77.4242, 74.2082, 73.8612**, and **21.2909, 18.4681, 16.6299** is the 20% darker color. If you saturate the color by 10%, you get **39.9932, 33.6009, 28.4609**, and if you desaturate by 10%, it is **50.8245, 49.4502, 49.9934**.

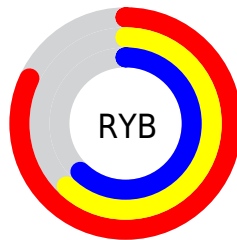
# Distribution



Red (82%)

Green (62%)

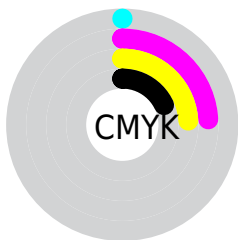
Blue (62%)



Red (82%)

Yellow (62%)

Blue (62%)

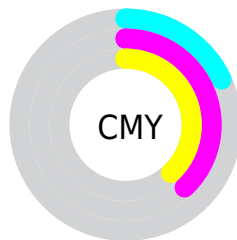


Cyan (0%)

Magenta (24%)

Yellow (24%)

Black (18%)



Cyan (18%)

Magenta (38%)

Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9506, 40.8548, 38.3175 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 44.9506, 40.8548, 38.3175 by changing the saturation by 10% instead.





 44.9506, 40.8548,  
38.3175


 44.9506, 40.8548,  
38.3175


357.3605,  
349.7134, 354.3189

 31.6196, 28.2056,  
25.9255


 81.8838, 76.4634,  
73.8033

 21.2253, 18.4807,  
16.5426


 106.2167,  
100.1917, 97.7342

 13.4022, 11.2957,  
9.7504

134.9477,  
128.3818, 126.3484

 7.7850, 6.2661,  
5.1304

168.4421,  
161.4181, 160.0646

 4.0083, 3.0075,  
2.2639

207.0652,  
199.6850, 199.3012

 1.7068, 1.1357,  
0.7109

251.1824,

 0.4605, 0.0082,

243.5669, 244.4767

0.0000

301.1590,  
293.4483, 296.0098

0.0000, 0.0000,  
0.0000

44.9506, 40.8548,  
38.3175

44.9506, 40.8548,  
38.3175

39.9932, 33.6009,  
28.4609

50.8245, 49.4502,  
49.9934

35.9029, 27.6157,  
20.3298

57.6543, 59.4440,  
63.5709

32.6310, 22.8279,  
13.8255

65.4810, 70.8967,  
79.1307

30.1225, 19.1571,  
8.8389

74.3426, 83.8634,  
96.7476

28.3154, 16.5128,  
5.2470

80.1045, 92.2953,  
108.2006

■ 27.1387, 14.7907,  
2.9079

■ 26.5056, 13.8643,  
1.6498

■ 26.2947, 13.5557,  
1.2306

# Harmonies

## Analogous

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



45.3380, 40.8548, 47.2711



44.9506, 40.8548, 38.3175



42.8768, 40.8548, 31.9439

# Triad

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



44.9506, 40.8548, 38.3175



34.1622, 40.8548, 34.1929



37.8855, 40.8548, 64.6111

# Complementary

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



44.9506, 40.8548, 38.3175



48.6064, 57.5735, 68.8727

# 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.



35.0485, 40.8548, 59.9392



44.9506, 40.8548, 38.3175



32.9789, 40.8548, 41.8086

# Square

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



44.9506, 40.8548, 38.3175



36.6138, 40.8548, 29.8036



33.2941, 40.8548, 51.2788



41.1365, 40.8548, 63.3327



# Rectangle

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



44.9506, 40.8548, 38.3175



40.8773, 40.8548, 29.6046



33.2941, 40.8548, 51.2788



36.8547, 40.8548, 63.6631

# Sweetspot

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



44.9517, 40.8567, 38.3183



86.8761, 88.0393, 92.6501



50.2015, 42.9555, 65.9670



18.4520, 18.6347, 19.5466



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.



44.9517, 40.8567, 38.3183



66.1209, 57.6688, 51.3892



49.6933, 50.3398, 39.8989



11.8089, 11.8084, 12.2689



16.2126, 8.3581, 0.7588



0.9065, 0.4674, 0.0424



# Inverse Universe

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



48.6064, 57.5735, 68.8727



72.8758, 88.5659, 107.8617



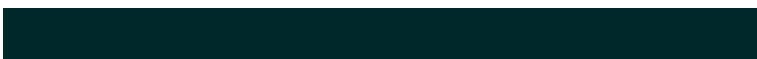
42.9476, 46.2558, 66.9864



12.1583, 13.4069, 15.1906



21.1514, 30.9493, 42.0515

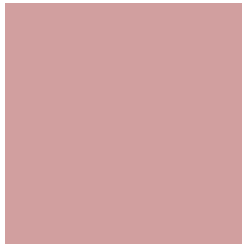


1.1827, 1.7305, 2.3513



# Previews

## White Background



This preview shows how the XYZ color 44.9506, 40.8548, 38.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

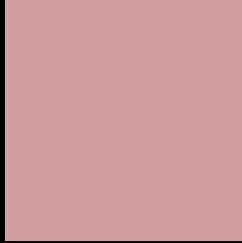
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9506, 40.8548, 38.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

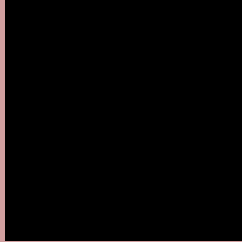
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.9506, 40.8548, 38.3175**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9506, 40.8548, 38.3175.



This preview shows how white text looks on a background with the XYZ color 44.9506, 40.8548,



# 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

44.9506, 40.8548, 38.3175

### Protanopia

39.2589, 41.0725, 41.4559

### Deuteranopia

41.8001, 41.0785, 38.0736



## Tritanopia

45.7967, 40.6802, 42.9744

# Trichromacy



## Original Color

44.9506, 40.8548, 38.3175

## Protanomaly

41.1686, 40.9731, 40.3891

## Deuteranomaly

42.8219, 40.8051, 37.9670

## Tritanomaly

45.5967, 40.8720, 41.0832

# Monochromacy



## Original Color

44.9506, 40.8548, 38.3175

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

41.8429, 41.8053, 43.4000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9506, 40.8548, 38.3175 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(209, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(209, 159, 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(209, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 159, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9506, 40.8548, 38.3175 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(209, 159, 159) }
```



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

```
.border{ border-color:rgb(209, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 159, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 159, 159); box-shadow:4px 4px 4px 4px rgb(209, 159, 159) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9506, 40.8548, 38.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 159, 159) }
```

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

```
.background{ background-color: rgb(209,  
159, 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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