

# Converting Colors

XYZ(42.2281, 38.8658, 38.4216)

Have a look what the booklet for  
XYZ(42.2281, 38.8658, 38.4216)  
contains.

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# Color

**XYZ(42.2216, 38.9314,  
38.5469)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C89DA0
RGB	200, 157, 160
RGB Percent	78%, 62%, 63%
CMY	0.2157, 0.3843, 0.3725
CMYK	0.00, 0.21, 0.20, 0.22
HSL	356°, 28%, 70%
HSV	356°, 21%, 78%
XYZ	42.2216, 38.9314, 38.5469
YIQ	170.1990, 24.6650, 10.0490

# Conversions

## Conversions Part 2

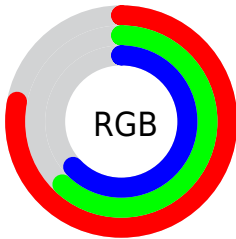
Format	Color
R <sub>Y</sub> B	200, 157, 160
Decimal	13147552
CIE Lab	68.70, 16.41, 4.55
CIE LCh	69, 17.034, 15.505
Yxy	38.9314, 0.3527, 0.3252
Android (android.graphics.Color)	4291337632 (0xFFC89DA0)
YUV	170.1990, -5.0281, 26.1355
Hunter-Lab	62.3950, 11.5964, 7.0479

# Details

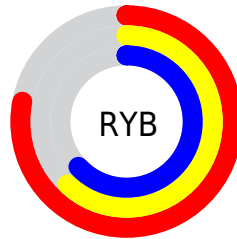
The XYZ color **42.2216, 38.9314, 38.5469** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.6386, 52.5089, 60.6086**, and the grayscale version is **38.3243, 40.3202, 43.9087**.

A 20% lighter version of the original color is **77.0492, 73.2533, 74.3683**, and **19.5914, 17.4319, 16.8001** is the 20% darker color. If you saturate the color by 10%, you get **37.6031, 32.1070, 29.5690**, and if you desaturate by 10%, it is **47.6398, 46.9645, 48.9942**.

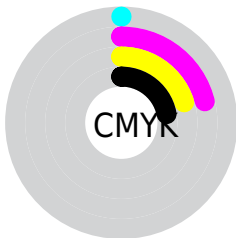
# Distribution



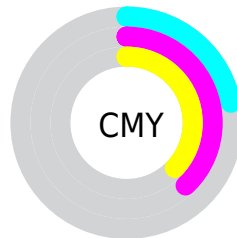
- Red (78%)
- Green (62%)
- Blue (63%)



- Red (78%)
- Yellow (62%)
- Blue (63%)



- Cyan (0%)
- Magenta (21%)
- Yellow (20%)
- Black (22%)




- Cyan (22%)
- Magenta (38%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2216, 38.9314, 38.5469 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 42.2216, 38.9314, 38.5469 by changing the saturation by 10% instead.





 42.2216, 38.9314,  
38.5469


 42.2216, 38.9314,  
38.5469


346.3768,  
341.5987, 355.3285

 29.4667, 26.7064,  
26.1023


 77.7980, 73.5335,  
74.1583

 19.5802, 17.3528,  
16.6737

 101.3501, 96.6794,  
98.1622

 12.1968, 10.4864,  
9.8427


129.2321,  
124.2343, 126.8563

 6.9510, 5.7226,  
5.1905

161.8093,  
156.5827, 160.6591

 3.4775, 2.6771,  
2.2988

199.4470,  
194.1089, 199.9892

 1.4110, 0.9656,  
0.7305

242.5106,

 0.2641, 0.0000,

237.1974, 245.2651

0.0000

291.3654,  
286.2326, 296.9054

0.0000, 0.0000,  
0.0000

42.2216, 38.9314,  
38.5469

42.2216, 38.9314,  
38.5469

37.6031, 32.1070,  
29.5690

47.6398, 46.9645,  
48.9942

33.7434, 26.4279,  
21.9922

53.8896, 56.2553,  
60.9700

30.6027, 21.8329,  
15.7465

61.0052, 66.8564,  
74.5332

28.1365, 18.2529,  
10.7549

69.0180, 78.8159,  
89.7389

26.2952, 15.6110,  
6.9327

77.3145, 90.8934,  
106.4253

■ 25.0223, 13.8193,  
4.1843

■ 77.6296, 91.0195,  
108.0847

■ 24.2514, 12.7730,  
2.3993

■ 23.8984, 12.3110,  
1.5299

# Harmonies

## Analogous

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



42.2474, 38.9314, 46.2118



42.2216, 38.9314, 38.5469



40.7530, 38.9314, 32.6651

# Triad

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



42.2216, 38.9314, 38.5469



33.4303, 38.9314, 32.8207



35.7219, 38.9314, 58.4332

# Complementary

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



42.2216, 38.9314, 38.5469



44.6386, 52.5089, 60.6086

# 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.



33.4907, 38.9314, 53.8748



42.2216, 38.9314, 38.5469



32.2119, 38.9314, 38.7844

# Square

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



42.2216, 38.9314, 38.5469



35.6358, 38.9314, 29.6429



32.2334, 38.9314, 46.4797



38.4050, 38.9314, 58.3494



# Rectangle

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



42.2216, 38.9314, 38.5469



39.1923, 38.9314, 30.2738



32.2334, 38.9314, 46.4797



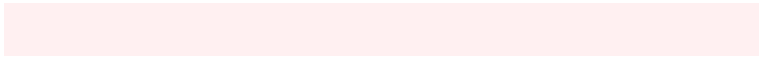
34.8970, 38.9314, 57.3709

# Sweetspot

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



42.2227, 38.9332, 38.5477



88.1541, 89.7406, 95.7115



45.3570, 40.0776, 59.9892



18.7150, 18.9799, 20.1919



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.



42.2227, 38.9332, 38.5477



69.0345, 61.3908, 58.8506



45.2202, 45.3427, 38.2692



10.6633, 10.6487, 11.2105



15.2078, 7.8327, 1.0384



0.7308, 0.3751, 0.1053



# Inverse Universe

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



42.2227, 38.9332, 38.5477



69.0345, 61.3908, 58.8506



41.0765, 44.8298, 61.1321



10.6633, 10.6487, 11.2105



15.2078, 7.8327, 1.0384

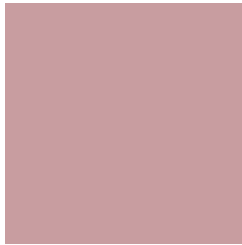


0.7308, 0.3751, 0.1053



# Previews

## White Background



This preview shows how the XYZ color 42.2216, 38.9314, 38.5469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

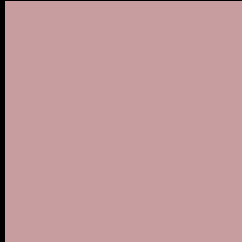
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2216, 38.9314, 38.5469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

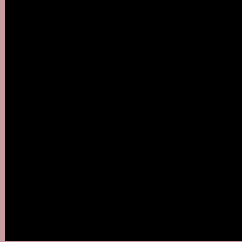
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.2216, 38.9314, 38.5469**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2216, 38.9314, 38.5469.



This preview shows how white text looks on a background with the XYZ color 42.2216, 38.9314,

38.5469.

# 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

42.2216, 38.9314, 38.5469

### Protanopia

37.4962, 39.0485, 41.6372

### Deuteranopia

39.6719, 38.9087, 38.2201



## Tritanopia

43.0437, 39.0216, 42.3091

# Trichromacy



## Original Color

42.2216, 38.9314, 38.5469

## Protanomaly

39.0894, 38.8198, 40.5547

## Deuteranomaly

40.5670, 38.8513, 38.1618

## Tritanomaly

42.7674, 38.9111, 40.8538

# Monochromacy



## Original Color

42.2216, 38.9314, 38.5469

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.3941, 39.4872, 41.6219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2216, 38.9314, 38.5469 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(200, 157, 160)` looks like.

```
.text, #text, p{  
    color:rgb(200, 157, 160)  
}
```

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(200, 157, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 157, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2216, 38.9314, 38.5469 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(200, 157, 160) }
```



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

```
.border{ border-color:rgb(200, 157, 160) }
```

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

Here you see how a box with a 4 pixel rgb(200, 157, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 157, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 157, 160);  
box-shadow:4px 4px 4px 4px rgb(200, 157,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2216, 38.9314, 38.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 157, 160) }
```

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

```
.background{ background-color: rgb(200,  
157, 160) }
```

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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