

# Converting Colors

XYZ(40.6308, 39.2243, 58.2529)

Have a look what the booklet for  
XYZ(40.6308, 39.2243, 58.2529)  
contains.

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# Color

**XYZ(40.6308, 39.2243,  
58.2529)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEA3C5
RGB	174, 163, 197
RGB Percent	68%, 64%, 77%
CMY	0.3176, 0.3608, 0.2274
CMYK	0.12, 0.17, 0.00, 0.23
HSL	259°, 23%, 71%
HSV	259°, 17%, 77%
XYZ	40.6308, 39.2243, 58.2529
YIQ	170.1650, -4.3580, 12.9060

# Conversions

## Conversions Part 2

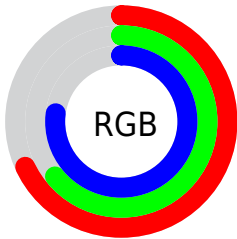
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 163, 197
Decimal	11445189
CIELab	68.91, 10.65, -15.96
CIELCh	69, 19.185, 303.711
Yxy	39.2243, 0.2942, 0.2840
Android (android.graphics.Color)	4289635269 (0xFFFAEA3C5)
YUV	170.1650, 13.2297, 3.3633
Hunter-Lab	62.6293, 6.2007, -11.3064

# Details

The XYZ color **40.6308, 39.2243, 58.2529** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.8282, 53.0170, 42.4174**, and the grayscale version is **38.2294, 40.2203, 43.7999**.

A 20% lighter version of the original color is **75.5939, 74.1216, 104.0886**, and **18.5275, 17.4170, 28.3719** is the 20% darker color. If you saturate the color by 10%, you get **34.5787, 31.3108, 57.0450**, and if you desaturate by 10%, it is **47.5248, 48.3826, 59.6579**.

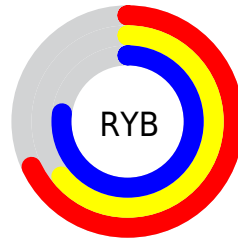
# Distribution



Red (68%)

Green (64%)

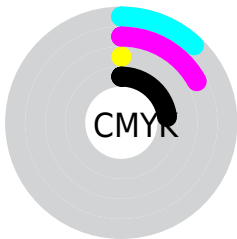
Blue (77%)



Red (68%)

Yellow (64%)

Blue (77%)

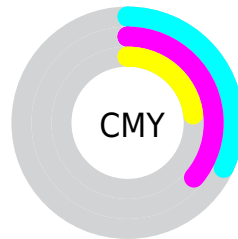


Cyan (12%)

Magenta (17%)

Yellow (0%)

Black (23%)



Cyan (32%)

Magenta (36%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6308, 39.2243, 58.2529 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 40.6308, 39.2243, 58.2529 by changing the saturation by 10% instead.



■ 40.6308, 39.2243,  
58.2529

■ 40.6308, 39.2243,  
58.2529

339.8642,  
342.8432, 435.7522

■ 28.2171, 26.9343,  
41.5960

■ 75.4014, 73.9808,  
103.8095

■ 18.6307, 17.5239,  
28.4618

■ 98.4890, 97.2161,  
133.5462

■ 11.5061, 10.6087,  
18.4320

125.8652,  
124.8687, 168.4799

■ 6.4781, 5.8044,  
11.0880

157.8955,  
157.3228, 209.0291

■ 3.1813, 2.7265,  
6.0111

194.9452,  
194.9629, 255.6124

■ 1.2504, 0.9907,  
2.7829

237.3797,

■ 0.1456, 0.0000,

238.1734, 308.6483

0.9849

285.5642,  
287.3387, 368.5554

■ 0.0000, 0.0000,  
0.0000

■ 40.6308, 39.2243,  
58.2529

■ 40.6308, 39.2243,  
58.2529

■ 34.5787, 31.3108,  
57.0450

■ 47.5248, 48.3826,  
59.6579

■ 29.3312, 24.5826,  
56.0229

■ 55.2888, 58.8322,  
61.2657

■ 24.8534, 18.9825,  
55.1780

■ 63.9539, 70.6229,  
63.0848

■ 21.1064, 14.4463,  
54.4999

■ 73.5489, 83.8007,  
65.1227

■ 18.0475, 10.9036,  
53.9773

■ 81.9904, 94.1885,  
66.6828

■ 15.6290, 8.2747,  
53.5974

■ 86.6986, 96.6156,  
66.9031

■ 13.7966, 6.4675,  
53.3451

■ 87.0782, 96.8113,  
66.9209

■ 12.4779, 5.3554,  
53.2000

■ 12.1749, 5.1121,  
53.1690

# Harmonies

## Analogous

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



37.6622, 39.2243, 61.7496



40.6308, 39.2243, 58.2529



42.7886, 39.2243, 50.5847

# Triad

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



40.6308, 39.2243, 58.2529



39.9388, 39.2243, 29.3547



31.7320, 39.2243, 43.8045

# Complementary

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



40.6308, 39.2243, 58.2529



46.8282, 53.0170, 42.4174

# 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.



32.2685, 39.2243, 35.6956



40.6308, 39.2243, 58.2529



36.9034, 39.2243, 28.0495

# Square

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



40.6308, 39.2243, 58.2529



42.3740, 39.2243, 34.0515



34.1216, 39.2243, 30.2092



32.6144, 39.2243, 52.7211



# Rectangle

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



40.6308, 39.2243, 58.2529



43.4176, 39.2243, 44.5744



34.1216, 39.2243, 30.2092



31.7526, 39.2243, 40.8956

# Sweetspot

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



40.6320, 39.2259, 58.2538



88.0141, 90.5338, 107.4437



42.7918, 47.0353, 59.6473



18.6340, 19.1036, 22.9552



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.



40.6320, 39.2259, 58.2538



68.1868, 64.2283, 103.4112



44.6037, 41.2734, 58.4396



10.3744, 10.4513, 13.3880



8.0862, 3.4028, 34.9750



0.4593, 0.2005, 1.6596



# Inverse Universe

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



44.9874, 41.6116, 52.1170



77.6169, 69.3975, 89.9446



42.9907, 51.0387, 42.2378



10.9315, 10.7560, 12.6226



17.9819, 8.9423, 15.6465



0.8836, 0.4363, 0.9101



# Previews

## White Background



This preview shows how the XYZ color 40.6308, 39.2243, 58.2529 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 40.6308, 39.2243, 58.2529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

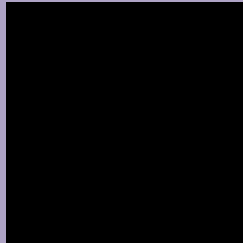
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.6308, 39.2243, 58.2529**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.6308, 39.2243, 58.2529.



This preview shows how white text looks on a background with the XYZ color 40.6308, 39.2243,



# 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

40.6308, 39.2243, 58.2529

### Protanopia

38.8255, 39.3380, 59.5795

### Deuteranopia

40.1481, 39.2401, 58.2814



## Tritanopia

38.5675, 39.1850, 48.1786

# Trichromacy



## Original Color

40.6308, 39.2243, 58.2529

## Protanomaly

39.5551, 39.4566, 58.9572

## Deuteranomaly

40.3668, 39.3528, 58.2916

## Tritanomaly

39.3313, 39.2261, 51.9528

# Monochromacy



## Original Color

40.6308, 39.2243, 58.2529

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.8515, 39.5906, 48.7741

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6308, 39.2243, 58.2529 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(174, 163, 197)` looks like.

```
.text, #text, p{  
    color:rgb(174, 163, 197)  
}
```

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(174, 163, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 163, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6308, 39.2243, 58.2529 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(174, 163, 197) }
```



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

```
.border{ border-color:rgb(174, 163, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 163, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 163, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 163, 197);  
box-shadow:4px 4px 4px 4px rgb(174, 163,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6308, 39.2243, 58.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 163, 197) }
```

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

```
.background{ background-color: rgb(174,  
163, 197) }
```

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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