

# Converting Colors

XYZ(42.5880, 42.1031, 59.9149)

Have a look what the booklet for  
XYZ(42.5880, 42.1031, 59.9149)  
contains.

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# Color

**XYZ(42.5880, 42.1031,  
59.9149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0AAC7
RGB	176, 170, 199
RGB Percent	69%, 67%, 78%
CMY	0.3098, 0.3333, 0.2196
CMYK	0.12, 0.15, 0.00, 0.22
HSL	252°, 21%, 72%
HSV	252°, 15%, 78%
XYZ	42.5880, 42.1031, 59.9149
YIQ	175.1000, -5.7330, 10.2910

# Conversions

## Conversions Part 2

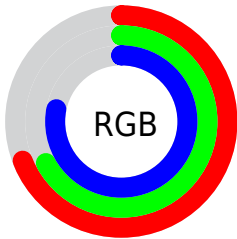
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 170, 199
Decimal	11578055
CIE Lab	70.94, 7.86, -13.99
CIE LCh	71, 16.046, 299.318
Yxy	42.1031, 0.2945, 0.2912
Android (android.graphics.Color)	4289768135 (0xFFB0AAC7)
YUV	175.1000, 11.7827, 0.7893
Hunter-Lab	64.8869, 3.6050, -9.3260

# Details

The XYZ color **42.5880, 42.1031, 59.9149** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.6730, 55.0877, 46.0472**, and the grayscale version is **40.7434, 42.8653, 46.6803**.

A 20% lighter version of the original color is **78.2539, 78.2262, 105.5825**, and **19.7576, 19.2122, 29.4550** is the 20% darker color. If you saturate the color by 10%, you get **35.7726, 33.4655, 58.6075**, and if you desaturate by 10%, it is **50.3857, 52.0875, 61.4318**.

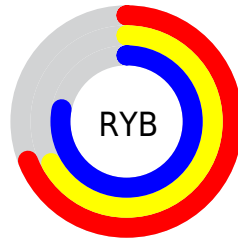
# Distribution



Red (69%)

Green (67%)

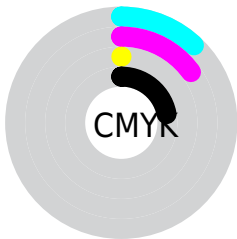
Blue (78%)



Red (69%)

Yellow (67%)

Blue (78%)

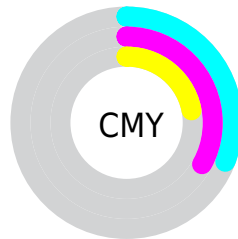


Cyan (12%)

Magenta (15%)

Yellow (0%)

Black (22%)



Cyan (31%)

Magenta (33%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5880, 42.1031, 59.9149 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 42.5880, 42.1031, 59.9149 by changing the saturation by 10% instead.



■ 42.5880, 42.1031,  
59.9149

■ 42.5880, 42.1031,  
59.9149

347.8650,  
354.9101, 442.0800

■ 29.7551, 29.1820,  
42.9252

■ 78.3484, 78.3556,  
106.2484

■ 19.7999, 19.2186,  
29.4955

102.0065,  
102.4559, 136.4292

■ 12.3571, 11.8283,  
19.2072

130.0039,  
131.0513, 171.8442

■ 7.0613, 6.6269,  
11.6417

162.7057,  
164.5264, 212.9119

■ 3.5471, 3.2299,  
6.3807

200.4773,  
203.2654, 260.0507

■ 1.4493, 1.2529,  
3.0054

243.6842,

■ 0.2909, 0.1043,

247.6527, 313.6793

1.0974

292.6916,  
298.0729, 374.2162

■ 0.0000, 0.0000,  
0.0000

■ 42.5880, 42.1031,  
59.9149

■ 42.5880, 42.1031,  
59.9149

■ 35.7726, 33.4655,  
58.6075

■ 50.3857, 52.0875,  
61.4318

■ 29.8961, 26.1115,  
57.4978

■ 59.1989, 63.4678,  
63.1639

■ 24.9177, 19.9808,  
56.5769

■ 69.0642, 76.2971,  
65.1202

■ 20.7919, 15.0059,  
55.8341

■ 80.0151, 90.6241,  
67.3084

■ 17.4691, 11.1130,  
55.2578

■ 87.2804, 96.8889,  
68.1347

■ 14.8943, 8.2192,  
54.8349

■ 87.3089, 96.9036,  
68.1361

■ 13.0052, 6.2295,  
54.5504

■ 11.7284, 5.0296,  
54.3861

■ 11.2297, 4.5983,  
54.3292

# Harmonies

## Analogous

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



39.9566, 42.1031, 62.1962



42.5880, 42.1031, 59.9149



44.6035, 42.1031, 53.7732

# Triad

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



42.5880, 42.1031, 59.9149



42.6985, 42.1031, 34.3117



35.0945, 42.1031, 45.6682

# Complementary

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



42.5880, 42.1031, 59.9149



49.6730, 55.0877, 46.0472

# 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.



35.7576, 42.1031, 38.7338



42.5880, 42.1031, 59.9149



40.0789, 42.1031, 32.6416

# Square

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



42.5880, 42.1031, 59.9149



44.6693, 42.1031, 39.0055



37.5530, 42.1031, 34.1675



35.7009, 42.1031, 53.4364



# Rectangle

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



42.5880, 42.1031, 59.9149



45.2847, 42.1031, 48.6264



37.5530, 42.1031, 34.1675



35.1758, 42.1031, 43.1681

# Sweetspot

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



42.5893, 42.1049, 59.9158



88.9679, 92.1616, 107.7076



46.0020, 50.8992, 61.4335



18.8050, 19.4206, 23.0074



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.



42.5893, 42.1049, 59.9158



71.2081, 69.4441, 104.2587



45.9951, 43.8607, 60.0752



10.2583, 10.3914, 13.3826



7.2804, 2.9874, 34.9373



0.4063, 0.1732, 1.6572



# Inverse Universe

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



47.5550, 44.7437, 56.5842



81.3358, 74.8281, 97.3725



46.2016, 53.2982, 45.8848



10.9855, 10.7776, 12.9069



19.1374, 9.4045, 21.7311

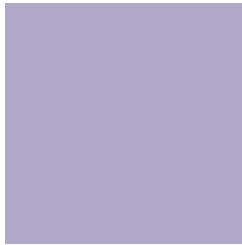


0.9305, 0.4551, 1.1573



# Previews

## White Background



This preview shows how the XYZ color 42.5880, 42.1031, 59.9149 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 42.5880, 42.1031, 59.9149 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 42.5880, 42.1031, 59.9149**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5880, 42.1031, 59.9149.



This preview shows how white text looks on a background with the XYZ color 42.5880, 42.1031,



# 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

42.5880, 42.1031, 59.9149

### Protanopia

41.5400, 42.1102, 60.5823

### Deuteranopia

42.8569, 41.9644, 59.8740



## Tritanopia

41.0710, 42.0489, 52.4059

# Trichromacy



## Original Color

42.5880, 42.1031, 59.9149

## Protanomaly

42.0015, 42.0666, 60.5495

## Deuteranomaly

42.6282, 41.8466, 59.8633

## Tritanomaly

41.6461, 42.0014, 55.2023

# Monochromacy



## Original Color

42.5880, 42.1031, 59.9149

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

41.2745, 42.4618, 51.3679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5880, 42.1031, 59.9149 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(176, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 199)  
}
```

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(176, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5880, 42.1031, 59.9149 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(176, 170, 199) }
```



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

```
.border{ border-color:rgb(176, 170, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5880, 42.1031, 59.9149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 199) }
```

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

```
.background{ background-color: rgb(176,  
170, 199) }
```

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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