

# Converting Colors

XYZ(42.2312, 38.9347, 56.8331)

Have a look what the booklet for  
XYZ(42.2312, 38.9347, 56.8331)  
contains.

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# Color

**XYZ(42.2560, 39.0507,  
56.9402)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B99FC3
RGB	185, 159, 195
RGB Percent	73%, 62%, 76%
CMY	0.2745, 0.3765, 0.2353
CMYK	0.05, 0.18, 0.00, 0.24
HSL	283°, 23%, 69%
HSV	283°, 18%, 76%
XYZ	42.2560, 39.0507, 56.9402
YIQ	170.8780, 3.9400, 16.7080

# Conversions

## Conversions Part 2

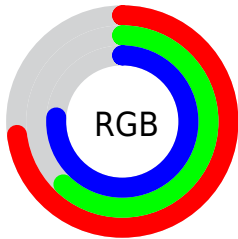
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	185, 159, 195
Decimal	12165059
CIE Lab	68.79, 16.14, -14.95
CIE LCh	69, 22.001, 317.208
Yxy	39.0507, 0.3057, 0.2825
Android (android.graphics.Color)	4290355139 (0xFFB99FC3)
YUV	170.8780, 11.8921, 12.3850
Hunter-Lab	62.4906, 11.3429, -10.2805

# Details

The XYZ color **42.2560, 39.0507, 56.9402** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.1368, 49.9695, 40.2271**, and the grayscale version is **38.5893, 40.5989, 44.2123**.

A 20% lighter version of the original color is **77.8929, 73.8222, 102.2392**, and **19.5811, 17.3440, 27.5150** is the 20% darker color. If you saturate the color by 10%, you get **37.8819, 32.2052, 55.8500**, and if you desaturate by 10%, it is **47.2112, 46.9832, 58.2107**.

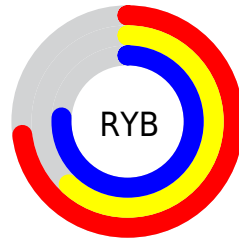
# Distribution



Red (73%)

Green (62%)

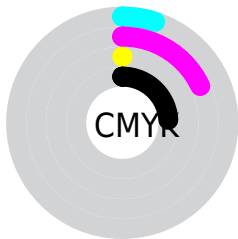
Blue (76%)



Red (73%)

Yellow (62%)

Blue (76%)

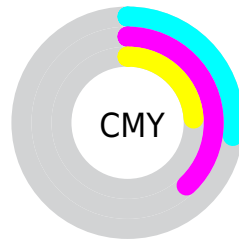


Cyan (5%)

Magenta (18%)

Yellow (0%)

Black (24%)



Cyan (27%)

Magenta (38%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2560, 39.0507, 56.9402 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 42.2560, 39.0507, 56.9402 by changing the saturation by 10% instead.



 42.2560, 39.0507,  
56.9402


 42.2560, 39.0507,  
56.9402

346.5167,  
342.1060, 430.7127

 29.4938, 26.7992,  
40.5482


 77.8497, 73.7158,  
101.8774

 19.6008, 17.4225,  
27.6492


 101.4118, 96.8981,  
131.2597

 12.2118, 10.5361,  
17.8246


129.3047,  
124.4928, 165.8091

 6.9613, 5.7559,  
10.6560

161.8935,  
156.8843, 205.9442

 3.4840, 2.6972,  
5.7248

199.5438,  
194.4570, 252.0836

 1.4146, 0.9758,  
2.6124

242.6209,

 0.2666, 0.0000,

237.5952, 304.6458

0.8988

291.4900,  
286.6834, 364.0493

■ 0.0000, 0.0000,  
0.0000

■ 42.2560, 39.0507,  
56.9402

■ 42.2560, 39.0507,  
56.9402

■ 37.8819, 32.2052,  
55.8500

■ 47.2112, 46.9832,  
58.2107

■ 34.0602, 26.3920,  
54.9294

■ 52.7677, 56.0441,  
59.6668

■ 30.7647, 21.5589,  
54.1702

■ 58.9489, 66.2790,  
61.3166

■ 27.9656, 17.6473,  
53.5627

■ 65.7759, 77.7292,  
63.1669

■ 25.6301, 14.5922,  
53.0961

■ 72.7869, 89.4701,  
65.0636

■ 23.7209, 12.3200,  
52.7581

■ 74.3758, 90.2892,  
65.1379

■ 22.1943, 10.7440,  
52.5344

■ 76.0176, 91.1356,  
65.2148

■ 20.9808, 9.7265,  
52.4020

■ 77.7128, 92.0095,  
65.2941

■ 20.8060, 9.5880,  
52.3845

■ 79.4619, 92.9112,  
65.3760

# Harmonies

## Analogous

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



39.1351, 39.0507, 63.6206



42.2560, 39.0507, 56.9402



44.0446, 39.0507, 46.9135

# Triad

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



42.2560, 39.0507, 56.9402



38.6206, 39.0507, 26.4117



31.0745, 39.0507, 48.4555

# Complementary

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



42.2560, 39.0507, 56.9402



42.1368, 49.9695, 40.2271

# 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.



30.9559, 39.0507, 38.4089



42.2560, 39.0507, 56.9402



35.1686, 39.0507, 26.6913

# Square

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



42.2560, 39.0507, 56.9402



41.8591, 39.0507, 29.9305



32.4116, 39.0507, 30.7658



32.7464, 39.0507, 58.2203



# Rectangle

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



42.2560, 39.0507, 56.9402



44.1719, 39.0507, 40.1561



32.4116, 39.0507, 30.7658



30.8555, 39.0507, 44.9740

# Sweetspot

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



42.2572, 39.0524, 56.9411



86.8114, 87.8016, 104.8417



38.3752, 39.7632, 57.2829



18.8703, 18.9996, 22.9227



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.



42.2572, 39.0524, 56.9411



72.5203, 64.9571, 101.1855



43.8961, 39.9965, 52.5336



10.2157, 10.1023, 12.6964



13.6075, 6.2753, 34.0507



0.6519, 0.3041, 1.4742



# Inverse Universe

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



42.0667, 39.2647, 42.8999



72.1807, 65.4423, 71.3396



40.7712, 49.1848, 43.8089



10.1856, 10.1229, 11.0680



15.0940, 7.7274, 3.1413

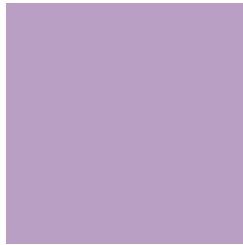


0.6825, 0.3460, 0.2953



# Previews

## White Background



This preview shows how the XYZ color 42.2560, 39.0507, 56.9402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

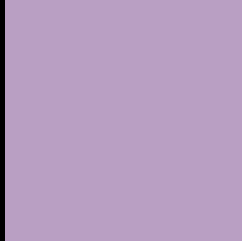
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2560, 39.0507, 56.9402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

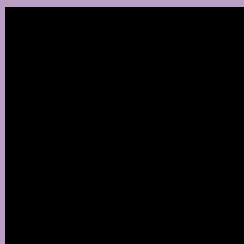
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.2560, 39.0507, 56.9402**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2560, 39.0507, 56.9402.



This preview shows how white text looks on a background with the XYZ color 42.2560, 39.0507,



# 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

42.2560, 39.0507, 56.9402

### Protanopia

38.7595, 39.0196, 60.1323

### Deuteranopia

40.0263, 39.2166, 56.4989



## Tritanopia

39.9496, 38.8809, 45.9566

# Trichromacy



## Original Color

42.2560, 39.0507, 56.9402

## Protanomaly

39.8678, 38.8177, 58.8174

## Deuteranomaly

40.7894, 39.0828, 56.4328

## Tritanomaly

40.7168, 38.9344, 49.6251

# Monochromacy



## Original Color

42.2560, 39.0507, 56.9402

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.9614, 40.1628, 48.8260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2560, 39.0507, 56.9402 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(185, 159, 195)` looks like.

```
.text, #text, p{  
    color:rgb(185, 159, 195)  
}
```

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(185, 159, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 159, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2560, 39.0507, 56.9402 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".

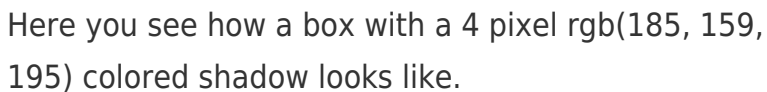
```
.border, #border, table{ border:4px solid rgb(185, 159, 195) }
```



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

```
.border{ border-color:rgb(185, 159, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 159, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 159, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 159, 195);  
box-shadow:4px 4px 4px 4px rgb(185, 159,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2560, 39.0507, 56.9402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 159, 195) }
```

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

```
.background{ background-color: rgb(185,  
159, 195) }
```

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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