

Converting Colors

CIELCh(56, 39.586, 318.668)

Have a look what the booklet for
CIELCh(56, 39.586, 318.668)
contains.

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Color

CIELCh(56, 39.627, 318.662)

Conversions

Conversions Part 1

Format	Color
Hex	A475B4
RGB	164, 117, 180
RGB Percent	64%, 46%, 71%
CMY	0.3568, 0.5411, 0.2941
CMYK	0.09, 0.35, 0.00, 0.29
HSL	285°, 30%, 58%
HSV	285°, 35%, 71%
XYZ	29.9116, 23.9124, 46.2218
YIQ	138.2350, 7.7890, 29.5570

Conversions

Conversions Part 2

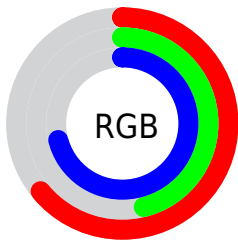
Format	Color
RYB	164, 117, 180
Decimal	10778036
CIELab	56.00, 29.75, -26.17
CIELCh	56, 39.627, 318.662
Yxy	23.9124, 0.2990, 0.2390
Android (android.graphics.Color)	4288968116 (0xFFA475B4)
YUV	138.2350, 20.5901, 22.5959
Hunter-Lab	48.9003, 23.6103, -21.8122

Details

The CIELCh color **56, 39.627, 318.662** is a light color, and the websafe version is hex **996699**. A complement of this color would be **69, 38.809, 135.408**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 39.490, 318.745**, and **36, 39.377, 318.522** is the 20% darker color. If you saturate the color by 10%, you get **51, 50.856, 319.055**, and if you desaturate by 10%, it is **61, 28.201, 318.236**.

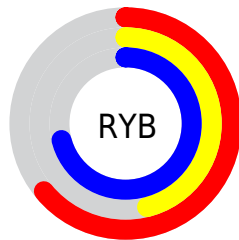
Distribution



Red (64%)

Green (46%)

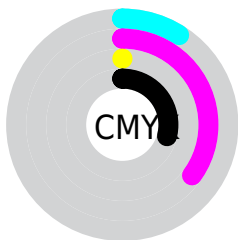
Blue (71%)



Red (64%)

Yellow (46%)

Blue (71%)

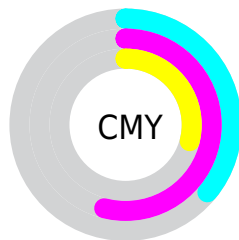


Cyan (9%)

Magenta (35%)

Yellow (0%)

Black (29%)



Cyan (36%)


Magenta (54%)


Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 39.627, 318.662 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 CIELCh color 56, 39.627, 318.662 by changing the saturation by 10% instead.


 56, 39.627,
318.662


 56, 39.627,
318.662


 100, 39.627,
318.662


 46, 39.627,
318.662


 76, 39.627,
318.662

 36, 39.627,
318.662

 86, 39.627,
318.662

 26, 39.627,
318.662

 96, 39.627,
318.662

 16, 39.627,
318.662

 6, 39.627, 318.662

 0, 39.627, 318.662

56, 39.627,
318.662

56, 39.627,
318.662

51, 50.856,
319.055

61, 28.201,
318.236

47, 61.580,
319.384

66, 16.795,
317.797

43, 71.367,
319.607

71, 5.545, 317.349

40, 79.690,
319.674

76, 5.469, 137.004

37, 86.013,
319.528

81, 16.203,
136.596


36, 89.968,
319.124

86, 26.637,
136.233

35, 91.444,
318.874

91, 36.766,
135.901

95, 43.074,
135.092

 95, 42.295,
133.221

Harmonies

Complementary

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



56, 39.627, 318.662



69, 38.809, 135.408

Rectangle

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



56, 39.627, 318.662



56, 39.627, 8.662



56, 39.627, 138.662



56, 39.627, 188.662

Sweetspot

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



56, 39.625, 318.662



87, 13.829, 317.585



56, 26.791, 281.431



45, 9.439, 317.646



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 39.625, 318.662



67, 58.931, 318.970



57, 35.830, 334.056



35, 6.266, 317.547



29, 81.068, 318.981



2, 14.662, 314.155

Inverse Universe

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



56, 27.019, 3.281



68, 40.577, 4.575



68, 35.620, 148.935



35, 4.131, 0.040



32, 60.996, 24.222



2, 9.555, 3.543

Previews

White Background



This preview shows how the CIELCh color 56, 39.627, 318.662 looks on a white background.

Color Contrast Check

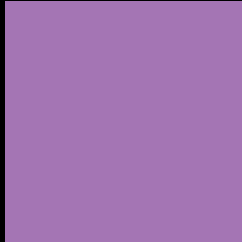
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 39.627, 318.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

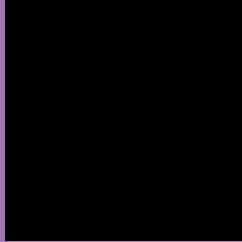
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 39.627, 318.662

Background



This preview shows how black text looks on a background with the CIELCh color 56, 39.627, 318.662.

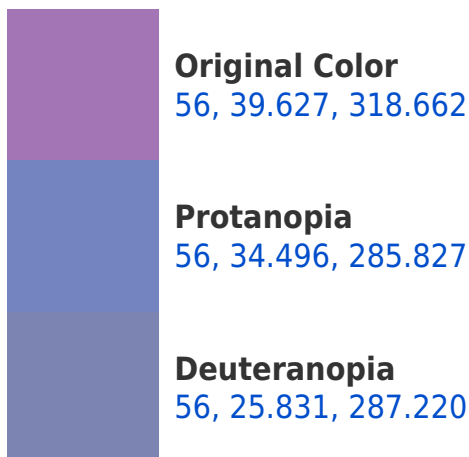


This preview shows how white text looks on a background with the CIELCh color 56, 39.627, 318.662.

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





Tritanopia
56, 13.658, 356.341

Trichromacy



Original Color
56, 39.627, 318.662

Protanomaly
56, 35.095, 297.380

Deuteranomaly
56, 29.640, 301.512

Tritanomaly
56, 21.823, 332.556

Monochromacy



Original Color
56, 39.627, 318.662

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 14.717, 317.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 39.627, 318.662 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(164, 117, 180)` looks like.

```
.text, #text, p{  
    color:rgb(164, 117, 180)  
}
```

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(164, 117, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 117, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 39.627, 318.662 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(164, 117, 180) }
```

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

```
.border{ border-color:rgb(164, 117, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 117, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 117, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 117, 180);  
box-shadow:4px 4px 4px 4px rgb(164, 117,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 39.627, 318.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 117, 180) }
```

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

```
.background{ background-color: rgb(164,  
117, 180) }
```

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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