

# Converting Colors

CIELCh(56, 29.093, 353.630)

Have a look what the booklet for  
CIELCh(56, 29.093, 353.630)  
contains.

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**Color**

**CIELCh(56, 29.490, 353.277)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4738D
RGB	180, 115, 141
RGB Percent	71%, 45%, 55%
CMY	0.2938, 0.5488, 0.4468
CMYK	0.00, 0.36, 0.22, 0.29
HSL	336°, 30%, 58%
HSV	336°, 36%, 71%
XYZ	29.7889, 23.9124, 28.2698
YIQ	137.3990, 30.3940, 21.8660

# Conversions

## Conversions Part 2

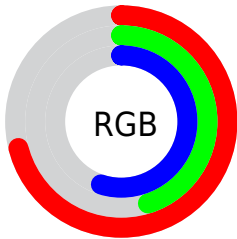
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 115, 141
Decimal	11826061
CIE <sub>Lab</sub>	56.00, 29.29, -3.45
CIE <sub>LCh</sub>	56, 29.490, 353.277
Yxy	23.9124, 0.3634, 0.2917
Android (android.graphics.Color)	4290016141 (0xFFB4738D)
YUV	137.3990, 1.7753, 37.3611
Hunter-Lab	48.9003, 23.1623, -0.0460

# Details

The CIELCh color  $56, 29.490, 353.277$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $69, 27.481, 165.827$ , and the grayscale version is  $57, 0.007, 296.813$ .

A 20% lighter version of the original color is  $76, 29.489, 352.988$ , and  $36, 29.850, 353.173$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 37.641, 354.785$ , and if you desaturate by 10%, it is  $61, 21.171, 352.001$ .

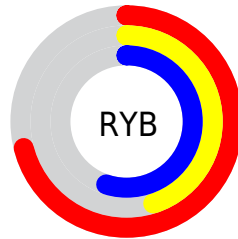
# Distribution



Red (71%)

Green (45%)

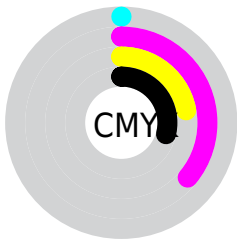
Blue (55%)



Red (71%)

Yellow (45%)

Blue (55%)

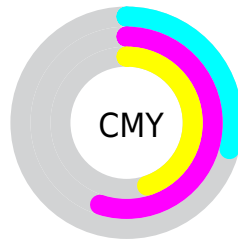


Cyan (0%)

Magenta (36%)

Yellow (22%)

Black (29%)



Cyan (29%)

Magenta (55%)


Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 29.490, 353.277 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, 29.490, 353.277 by changing the saturation by 10% instead.





 56, 29.490,  
353.277

 56, 29.490,  
353.277

 100, 29.490,  
353.277


 46, 29.490,  
353.277


 76, 29.490,  
353.277

 36, 29.490,  
353.277

 86, 29.490,  
353.277

 26, 29.490,  
353.277

 96, 29.490,  
353.277

 16, 29.490,  
353.277

 6, 29.490, 353.277

 0, 29.490, 353.277

56, 29.490,  
353.277

56, 29.490,  
353.277

52, 37.641,  
354.785

61, 21.171,  
352.001

48, 45.328,  
356.605

65, 12.902,  
350.890

44, 52.166,  
358.854

70, 4.815, 349.871

42, 57.757, 1.685

75, 3.017, 169.231

40, 61.821, 5.270

80, 10.558,  
168.360


39, 64.394, 9.735

86, 17.801,  
167.640

38, 65.304, 11.568

91, 24.753,  
166.990

95, 29.184,  
168.575

 95, 26.400,  
178.718

# Harmonies

# Complementary

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



56, 29.490, 353.277



69, 27.481, 165.827

# Rectangle

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



56, 29.490, 353.277



56, 29.490, 43.277



56, 29.490, 173.277



56, 29.490, 223.277

# Sweetspot

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



56, 29.488, 353.279



86, 10.852, 350.387



55, 39.823, 314.073



45, 7.301, 350.521



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, 29.488, 353.279



68, 43.573, 354.405



57, 25.496, 30.294



35, 4.461, 350.199



32, 57.840, 10.834



2, 10.088, 355.346



# Inverse Universe

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



56, 29.488, 353.279



68, 43.573, 354.405



67, 19.651, 208.486



35, 4.461, 350.199



32, 57.840, 10.834

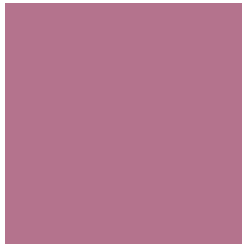


2, 10.088, 355.346



# Previews

## White Background



This preview shows how the CIELCh color 56, 29.490, 353.277 looks on a white background.

## Color Contrast Check

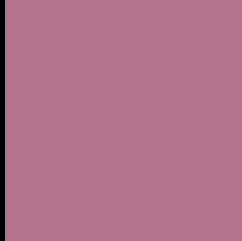
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.490, 353.277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

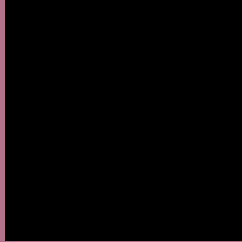
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 56, 29.490, 353.277**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 56, 29.490, 353.277.



This preview shows how white text looks on a background with the CIELCh color 56, 29.490, 353.277.

# 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

56, 29.490, 353.277

### Protanopia

56, 10.884, 287.568

### Deuteranopia

56, 7.825, 344.506





**Tritanopia**  
56, 25.664, 11.135

# Trichromacy



**Original Color**  
56, 29.490, 353.277

**Protanomaly**  
56, 15.227, 325.216

**Deuteranomaly**  
56, 15.347, 349.871

**Tritanomaly**  
56, 26.522, 4.108

# Monochromacy



**Original Color**  
56, 29.490, 353.277

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
56, 10.844, 352.410

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 29.490, 353.277 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(180, 115, 141)` looks like.

```
.text, #text, p{  
    color:rgb(180, 115, 141)  
}
```

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(180, 115, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 115, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 29.490, 353.277 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(180, 115, 141) }
```

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

```
.border{ border-color:rgb(180, 115, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 115, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 115, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 115, 141);  
box-shadow:4px 4px 4px 4px rgb(180, 115,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 29.490, 353.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 115, 141) }
```

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

```
.background{ background-color: rgb(180,  
115, 141) }
```

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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