

# Converting Colors

CIELCh(46, 56.779, 3.138)

Have a look what the booklet for  
CIELCh(46, 56.779, 3.138) contains.

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**Color**

**CIELCh(46, 56.779, 3.138)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C03A6A
RGB	192, 58, 106
RGB Percent	75%, 23%, 42%
CMY	0.2471, 0.7726, 0.5844
CMYK	0.00, 0.70, 0.45, 0.25
HSL	339°, 54%, 49%
HSV	339°, 70%, 75%
XYZ	25.8466, 15.2687, 15.2166
YIQ	103.5380, 64.4560, 43.3360

# Conversions

## Conversions Part 2

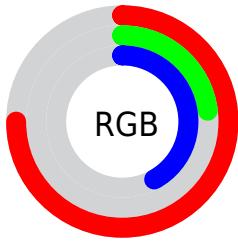
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 58, 106
Decimal	12597866
CIE <sub>Lab</sub>	46.00, 56.69, 3.11
CIE <sub>LCh</sub>	46, 56.779, 3.138
Yxy	15.2687, 0.4588, 0.2710
Android (android.graphics.Color)	4290787946 (0xFFC03A6A)
YUV	103.5380, 1.2138, 77.5812
Hunter-Lab	39.0751, 49.6888, 4.2640

# Details

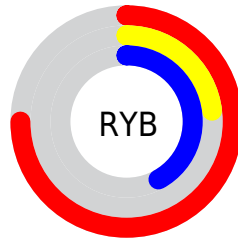
The CIELCh color **46, 56.779, 3.138** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **70, 49.262, 163.565**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 56.749, 2.987**, and **28, 52.068, 5.987** is the 20% darker color. If you saturate the color by 10%, you get **43, 62.288, 6.505**, and if you desaturate by 10%, it is **49, 49.915, 0.484**.

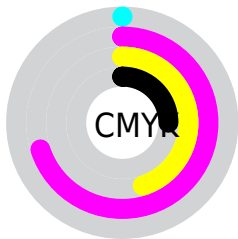
# Distribution



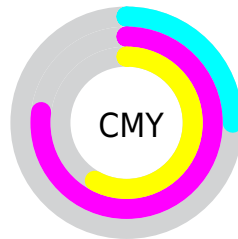
- Red (75%)
- Green (23%)
- Blue (42%)



- Red (75%)
- Yellow (23%)
- Blue (42%)



- Cyan (0%)
- Magenta (70%)
- Yellow (45%)
- Black (25%)



- Cyan (25%)
- Magenta (77%)
- Yellow (58%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 56.779, 3.138 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 46, 56.779, 3.138 by changing the saturation by 10% instead.



 46, 56.779, 3.138       46, 56.779, 3.138

 100, 56.779, 3.138       36, 56.779, 3.138


 66, 56.779, 3.138       26, 56.779, 3.138



 76, 56.779, 3.138       16, 56.779, 3.138

 86, 56.779, 3.138       6, 56.779, 3.138

 96, 56.779, 3.138       0, 56.779, 3.138

 46, 56.779, 3.138       46, 56.779, 3.138

 43, 62.288, 6.505       49, 49.915, 0.484

 42, 66.281, 10.744       53, 42.078,  
358.366

 41, 69.181, 15.755

41, 69.244, 15.858

58, 33.671,  
356.643

62, 25.037,  
355.210

67, 16.426,  
353.987

73, 7.997, 352.908

78, 0.160, 174.819

83, 7.999, 171.273

89, 15.512,  
170.505

# Harmonies

# Complementary

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



46, 56.779, 3.138



70, 49.262, 163.565

# Rectangle

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



46, 56.779, 3.138



46, 56.779, 53.138



46, 56.779, 183.138



46, 56.779, 233.138

# Sweetspot

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



46, 56.776, 3.140



85, 21.635, 354.164



42, 79.570, 316.241



43, 14.696, 354.494



99, 0.012, 296.813



52, 0.007, 296.813



# Same Dimension

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



46, 56.776, 3.140



55, 78.870, 8.743



48, 57.069, 37.047



38, 4.661, 352.865



34, 60.527, 15.053



3, 14.870, 0.459





# Inverse Universe

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



46, 56.776, 3.140



55, 78.870, 8.743



66, 32.040, 215.322



38, 4.661, 352.865



34, 60.527, 15.053



3, 14.870, 0.459



# Previews

## White Background



This preview shows how the CIELCh color 46, 56.779, 3.138 looks on a white 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

# Black Background



This preview shows how the CIELCh color 46, 56.779, 3.138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

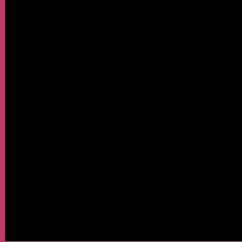
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 46, 56.779, 3.138**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 46, 56.779, 3.138.



This preview shows how white text looks on a background with the CIELCh color 46, 56.779, 3.138.

# 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

46, 56.779, 3.138

### Protanopia

46, 16.115, 284.575

### Deuteranopia

46, 8.818, 48.020



**Tritanopia**  
46, 55.895, 26.662



# Trichromacy



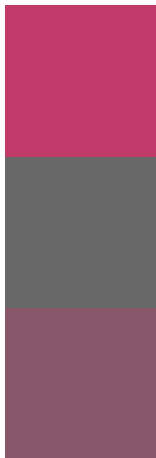
**Original Color**  
46, 56.779, 3.138

**Protanomaly**  
44, 27.225, 333.447

**Deuteranomaly**  
45, 26.607, 6.818

**Tritanomaly**  
46, 55.183, 18.135

# Monochromacy



**Original Color**  
46, 56.779, 3.138

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
43, 23.046, 355.314

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 56.779, 3.138 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(192, 58, 106)` looks like.

```
.text, #text, p{  
    color:rgb(192, 58, 106)  
}
```

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(192, 58, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 58, 106) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 56.779, 3.138 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(192, 58, 106) }
```

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

```
.border{ border-color:rgb(192, 58, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 58, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 58, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 58, 106);  
box-shadow:4px 4px 4px 4px rgb(192, 58,  
106) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 56.779, 3.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 58, 106) }
```

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

```
.background{ background-color: rgb(192, 58,  
106) }
```

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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