

# Converting Colors

CIELCh(56, 13.808, 276.612)

Have a look what the booklet for  
CIELCh(56, 13.808, 276.612)  
contains.

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# Color

**CIELCh(56, 14.108, 277.097)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C869E
RGB	124, 134, 158
RGB Percent	49%, 53%, 62%
CMY	0.5126, 0.4734, 0.3792
CMYK	0.21, 0.15, 0.00, 0.38
HSL	222°, 15%, 55%
HSV	222°, 21%, 62%
XYZ	23.1131, 23.9124, 35.8763
YIQ	133.7460, -13.6640, 5.3440

# Conversions

## Conversions Part 2

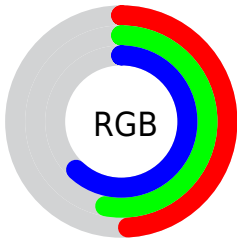
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 132, 158
Decimal	8160926
CIE Lab	56.00, 1.74, -14.00
CIE LCh	56, 14.108, 277.097
Yxy	23.9124, 0.2788, 0.2884
Android (android.graphics.Color)	4286351006 (0xFF7C869E)
YUV	133.7460, 11.9572, -8.5472
Hunter-Lab	48.9003, -1.2061, -9.2686

# Details

The CIELCh color  $56, 14.108, 277.097$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $62, 14.040, 91.519$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $76, 14.340, 277.595$ , and  $36, 14.032, 276.997$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 20.884, 278.825$ , and if you desaturate by 10%, it is  $60, 7.469, 275.616$ .

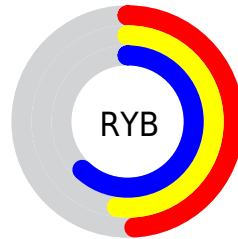
# Distribution



Red (49%)

Green (53%)

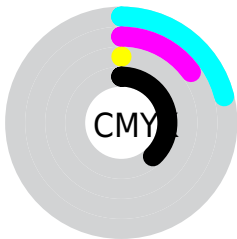
Blue (62%)



Red (49%)

Yellow (52%)

Blue (62%)

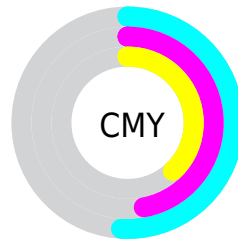


Cyan (21%)

Magenta (15%)

Yellow (0%)

Black (38%)



Cyan (51%)

Magenta (47%)


Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 14.108, 277.097 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, 14.108, 277.097 by changing the saturation by 10% instead.





 56, 14.108,  
277.097


 56, 14.108,  
277.097


 100, 14.108,  
277.097


 46, 14.108,  
277.097


 76, 14.108,  
277.097

 36, 14.108,  
277.097

 86, 14.108,  
277.097

 26, 14.108,  
277.097

 96, 14.108,  
277.097

 16, 14.108,  
277.097

 6, 14.108, 277.097

 0, 14.108, 277.097

■ 56, 14.108,  
277.097

■ 56, 14.108,  
277.097

■ 52, 20.884,  
278.825

■ 60, 7.469, 275.616

■ 47, 27.814,  
280.844

■ 65, 0.963, 274.496

■ 69, 5.415, 93.166

■ 43, 34.915,  
283.186

■ 73, 11.669, 92.219

■ 39, 42.214,  
285.872

■ 77, 17.801, 91.380

■ 82, 23.811, 90.638

■ 35, 49.730,  
288.887

■ 86, 29.702, 89.980

■ 31, 57.449,  
292.160

■ 90, 35.476, 89.393

■ 93, 39.815, 95.340

■ 28, 65.266,  
295.544

■ 25, 71.831,



# Harmonies

# Complementary

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



56, 14.108, 277.097



62, 14.040, 91.519

# Rectangle

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



56, 14.108, 277.097



56, 14.108, 327.097



56, 14.108, 97.097



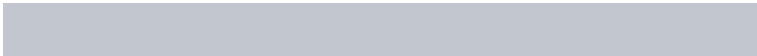
56, 14.108, 147.097

# Sweetspot

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



56, 14.107, 277.094



80, 4.825, 274.925



63, 13.974, 173.971



42, 3.227, 274.998



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



56, 14.107, 277.094



69, 21.309, 277.929



54, 19.868, 299.629



31, 3.666, 275.317



22, 66.013, 297.930



1, 4.838, 275.235



# Inverse Universe

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



56, 14.816, 358.523



69, 22.454, 359.144



64, 18.988, 116.556



31, 3.805, 357.166



29, 56.718, 20.346

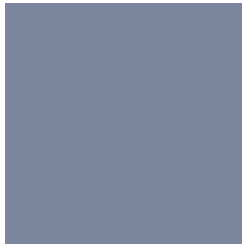


1, 4.849, 357.433



# Previews

## White Background



This preview shows how the CIELCh color 56, 14.108, 277.097 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 CIELCh color 56, 14.108, 277.097 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

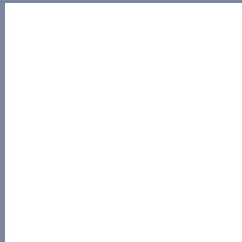
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 56, 14.108, 277.097**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 56, 14.108, 277.097.



This preview shows how white text looks on a background with the CIELCh color 56, 14.108, 277.097.

# 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, 14.108, 277.097

### Protanopia

56, 13.795, 285.767

### Deuteranopia

56, 16.157, 297.236





**Tritanopia**  
56, 8.045, 250.834

# Trichromacy



**Original Color**  
56, 14.108, 277.097

**Protanomaly**  
56, 13.872, 282.818

**Deuteranomaly**  
56, 15.478, 290.667

**Tritanomaly**  
56, 10.051, 265.359

# Monochromacy



**Original Color**  
56, 14.108, 277.097

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
56, 5.348, 274.283

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 14.108, 277.097 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(124, 134, 158)` looks like.

```
.text, #text, p{  
    color:rgb(124, 134, 158)  
}
```

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(124, 134, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 134, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 14.108, 277.097 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(124, 134, 158) }
```

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

```
.border{ border-color:rgb(124, 134, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 134, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 134, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 134, 158);  
box-shadow:4px 4px 4px 4px rgb(124, 134,  
158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 14.108, 277.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 134, 158) }
```

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

```
.background{ background-color: rgb(124,  
134, 158) }
```

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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