

Converting Colors

CIELCh(56, 17.956, 288.014)

Have a look what the booklet for
CIELCh(56, 17.956, 288.014)
contains.

CIELCh(56, 18.349, 289.015)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 18.349, 289.015)

Conversions

Conversions Part 1

Format	Color
Hex	8184A4
RGB	129, 132, 164
RGB Percent	51%, 52%, 64%
CMY	0.4935, 0.4817, 0.3562
CMYK	0.21, 0.19, 0.00, 0.36
HSL	235°, 16%, 58%
HSV	235°, 21%, 64%
XYZ	24.0670, 23.9124, 38.5485
YIQ	134.7510, -12.0600, 9.3160

Conversions

Conversions Part 2

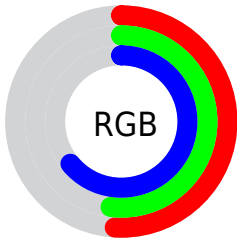
Format	Color
R_{YB}	129, 132, 164
Decimal	8488100
CIE Lab	56.00, 5.98, -17.35
CIE LCh	56, 18.349, 289.015
Yxy	23.9124, 0.2781, 0.2764
Android (android.graphics.Color)	4286678180 (0xFF8184A4)
YUV	134.7510, 14.4198, -5.0436
Hunter-Lab	48.9003, 2.2757, -12.5085

Details

The CIELCh color $56, 18.349, 289.015$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $66, 17.638, 104.304$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 18.337, 288.673$, and $36, 18.040, 288.417$ is the 20% darker color. If you saturate the color by 10%, you get $51, 27.464, 290.520$, and if you desaturate by 10%, it is $61, 9.570, 287.729$.

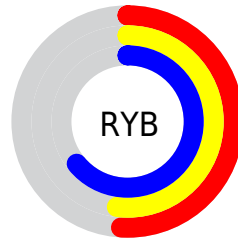
Distribution



Red (51%)

Green (52%)

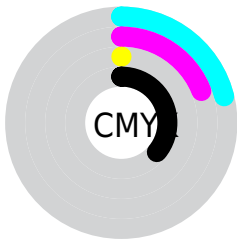
Blue (64%)



Red (51%)

Yellow (52%)

Blue (64%)

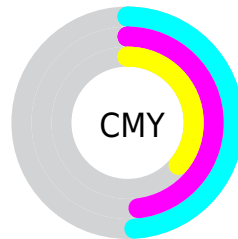


Cyan (21%)

Magenta (19%)

Yellow (0%)

Black (36%)



Cyan (49%)


Magenta (48%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 18.349, 289.015 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, 18.349, 289.015 by changing the saturation by 10% instead.


 56, 18.349,
289.015


 56, 18.349,
289.015


 100, 18.349,
289.015


 46, 18.349,
289.015


 76, 18.349,
289.015

 36, 18.349,
289.015

 86, 18.349,
289.015

 26, 18.349,
289.015

 96, 18.349,
289.015

 16, 18.349,
289.015

 6, 18.349, 289.015

 0, 18.349, 289.015

■ 56, 18.349,
289.015

■ 56, 18.349,
289.015

■ 51, 27.464,
290.520

■ 61, 9.570, 287.729

■ 45, 36.946,
292.278

■ 67, 1.106, 286.698

■ 72, 7.070, 105.665

■ 40, 46.803,
294.302

■ 77, 14.976,
104.861

■ 35, 56.998,
296.578

■ 83, 22.630,
104.163

■ 30, 67.358,
299.030

■ 88, 30.048,
103.555

■ 26, 77.425,
301.487


■ 93, 37.242,
103.024

■ 22, 86.290,
303.679

■ 98, 44.114,
105.372

■ 20, 92.105,

305.066

 98, 45.356,
106.711

Harmonies

Complementary

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



56, 18.349, 289.015



66, 17.638, 104.304

Rectangle

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



56, 18.349, 289.015



56, 18.349, 339.015



56, 18.349, 109.015



56, 18.349, 159.015

Sweetspot

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



56, 18.348, 289.013



82, 6.244, 287.142



65, 12.868, 189.563



43, 4.138, 287.207



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



56, 18.348, 289.013



68, 28.050, 289.762



56, 20.778, 306.629



32, 4.742, 287.490



17, 83.756, 304.904



1, 7.336, 286.863

Inverse Universe

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



57, 14.371, 14.201



71, 22.116, 14.811



66, 20.064, 124.453



32, 3.647, 12.976



30, 65.114, 35.687



1, 5.507, 12.973

Previews

White Background



This preview shows how the CIELCh color 56, 18.349, 289.015 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, 18.349, 289.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

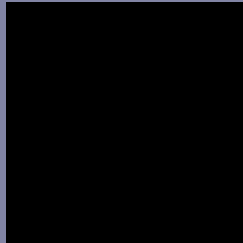
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 18.349, 289.015

Background



This preview shows how black text looks on a background with the CIELCh color 56, 18.349, 289.015.



This preview shows how white text looks on a background with the CIELCh color 56, 18.349, 289.015.

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, 18.349, 289.015

Protanopia

56, 18.392, 285.739

Deuteranopia

56, 18.942, 293.477



Tritanopia
56, 7.071, 262.502

Trichromacy



Original Color
56, 18.349, 289.015

Protanomaly
56, 18.364, 286.819

Deuteranomaly
56, 18.933, 292.403

Tritanomaly
56, 11.118, 278.137

Monochromacy



Original Color
56, 18.349, 289.015

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 6.874, 287.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 18.349, 289.015 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(129, 132, 164)` looks like.

```
.text, #text, p{  
    color:rgb(129, 132, 164)  
}
```

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(129, 132, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 132, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 18.349, 289.015 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(129, 132, 164) }
```

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

```
.border{ border-color:rgb(129, 132, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 132, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 132, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 132, 164);  
box-shadow:4px 4px 4px 4px rgb(129, 132,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 18.349, 289.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 132, 164) }
```

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

```
.background{ background-color: rgb(129,  
132, 164) }
```

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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