

Converting Colors

CIELCh(56, 23.396, 177.919)

Have a look what the booklet for
CIELCh(56, 23.396, 177.919)
contains.

CIELCh(56, 23.302, 178.453)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 23.302, 178.453)

Conversions

Conversions Part 1

Format	Color
Hex	539184
RGB	83, 145, 132
RGB Percent	33%, 57%, 52%
CMY	0.6729, 0.4297, 0.4808
CMYK	0.43, 0.00, 0.09, 0.43
HSL	167°, 27%, 45%
HSV	167°, 43%, 57%
XYZ	17.9849, 23.9124, 25.6427
YIQ	124.9800, -32.7790, -17.1870

Conversions

Conversions Part 2

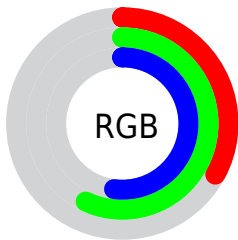
Format	Color
RYB	83, 118, 145
Decimal	5476740
CIELab	56.00, -23.29, 0.63
CIELCh	56, 23.302, 178.453
Yxy	23.9124, 0.2663, 0.3540
Android (android.graphics.Color)	4283666820 (0xFF539184)
YUV	124.9800, 3.4609, -36.8165
Hunter-Lab	48.9003, -19.9258, 3.1393

Details

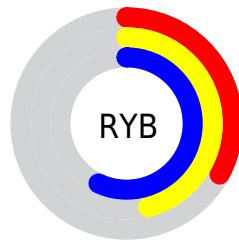
The CIELCh color **56, 23.302, 178.453** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 27.678, 7.730**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 23.151, 178.563**, and **36, 23.110, 179.114** is the 20% darker color. If you saturate the color by 10%, you get **55, 27.810, 177.313**, and if you desaturate by 10%, it is **57, 18.331, 179.507**.

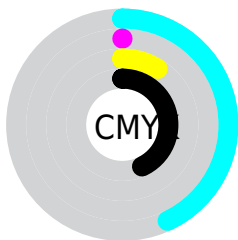
Distribution



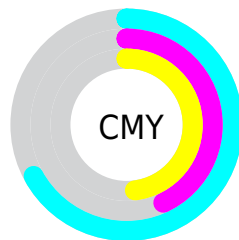
- Red (33%)
- Green (57%)
- Blue (52%)



- Red (33%)
- Yellow (46%)
- Blue (57%)



- Cyan (43%)
- Magenta (0%)
- Yellow (9%)
- Black (43%)





- Cyan (67%)
- Magenta (43%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 23.302, 178.453 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, 23.302, 178.453 by changing the saturation by 10% instead.


 56, 23.302,
178.453


 56, 23.302,
178.453


 100, 23.302,
178.453


 46, 23.302,
178.453


 76, 23.302,
178.453

 36, 23.302,
178.453

 86, 23.302,
178.453

 26, 23.302,
178.453

 96, 23.302,
178.453

 16, 23.302,
178.453

 6, 23.302, 178.453

 0, 23.302, 178.453

■ 56, 23.302,
178.453

■ 56, 23.302,
178.453

■ 55, 27.810,
177.313

■ 57, 18.331,
179.507

■ 55, 31.770,
176.071

■ 58, 12.988,
180.498

■ 54, 35.118,
174.704

■ 59, 7.367, 181.448

■ 54, 37.826,
173.191

■ 60, 1.554, 182.532

■ 61, 4.375, 3.025

■ 54, 39.910,
171.514

■ 63, 10.358, 3.887

■ 54, 41.221,
170.250

■ 64, 16.343, 4.682

■ 66, 22.293, 5.442

■ 67, 28.178, 6.175

Harmonies

Complementary

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



56, 23.302, 178.453



43, 27.678, 7.730

Rectangle

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



56, 23.302, 178.453



56, 23.302, 228.453



56, 23.302, 358.453



56, 23.302, 48.453

Sweetspot

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



56, 23.303, 178.451



75, 9.362, 181.389



56, 40.021, 136.029



39, 6.512, 181.200



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



56, 23.303, 178.451



70, 33.396, 177.382



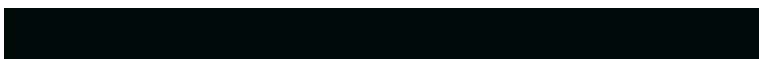
51, 17.658, 233.919



31, 3.352, 181.774



51, 39.566, 170.351



2, 2.968, 182.514

Inverse Universe

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



43, 27.678, 7.730



51, 41.309, 9.597



47, 23.178, 47.606



29, 3.470, 3.272



28, 57.713, 27.240



1, 2.968, 2.499

Previews

White Background



This preview shows how the CIELCh color 56, 23.302, 178.453 looks on a white background.

Color Contrast Check

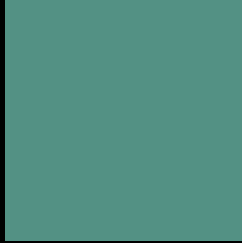
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.302, 178.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

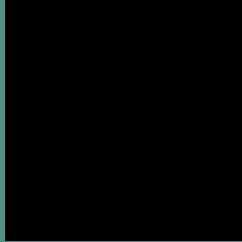
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 23.302, 178.453

Background



This preview shows how black text looks on a background with the CIELCh color 56, 23.302, 178.453.

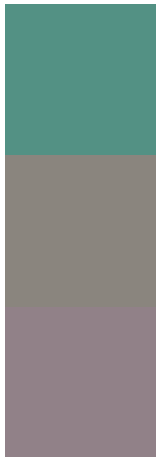


This preview shows how white text looks on a background with the CIELCh color 56, 23.302, 178.453.

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, 23.302, 178.453

Protanopia
56, 4.465, 82.760

Deuteranopia
56, 7.525, 348.072



Tritanopia
56, 18.645, 219.713

Trichromacy



Original Color
56, 23.302, 178.453

Protanomaly
56, 9.744, 162.483

Deuteranomaly
55, 4.618, 199.026

Tritanomaly
56, 19.071, 202.861

Monochromacy



Original Color
56, 23.302, 178.453

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.801, 183.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 23.302, 178.453 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(83, 145, 132)` looks like.

```
.text, #text, p{  
    color:rgb(83, 145, 132)  
}
```

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(83, 145, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 145, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 23.302, 178.453 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(83, 145, 132) }
```

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

```
.border{ border-color:rgb(83, 145, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 145, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 145, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 145, 132);  
box-shadow:4px 4px 4px 4px rgb(83, 145,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 23.302, 178.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 145, 132) }
```

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

```
.background{ background-color: rgb(83, 145,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor