

Converting Colors

CIELCh(56, 22.622, 171.371)

Have a look what the booklet for
CIELCh(56, 22.622, 171.371)
contains.

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Color

CIELCh(56, 22.500, 171.576)

Conversions

Conversions Part 1

Format	Color
Hex	5A9180
RGB	90, 145, 128
RGB Percent	35%, 57%, 50%
CMY	0.6478, 0.4321, 0.4987
CMYK	0.38, 0.00, 0.12, 0.43
HSL	161°, 23%, 46%
HSV	161°, 38%, 57%
XYZ	18.1803, 23.9124, 24.0171
YIQ	126.6170, -27.3230, -16.9470

Conversions

Conversions Part 2

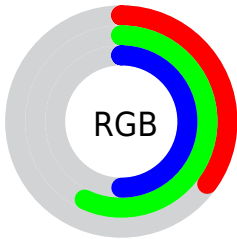
Format	Color
R_{YB}	90, 123, 145
Decimal	5935488
CIE _{Lab}	56.00, -22.26, 3.30
CIE _{LCh}	56, 22.500, 171.576
Y _{xy}	23.9124, 0.2750, 0.3617
Android (android.graphics.Color)	4284125568 (0xFF5A9180)
YUV	126.6170, 0.6818, -32.1131
Hunter-Lab	48.9003, -19.2122, 5.1103

Details

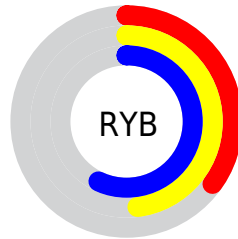
The CIELCh color $56, 22.500, 171.576$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $45, 25.032, 359.663$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 22.447, 172.077$, and $36, 22.481, 171.959$ is the 20% darker color. If you saturate the color by 10%, you get $55, 27.761, 170.357$, and if you desaturate by 10%, it is $57, 16.875, 172.686$.

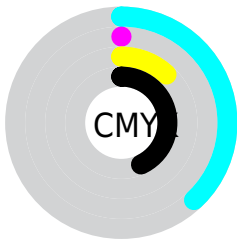
Distribution



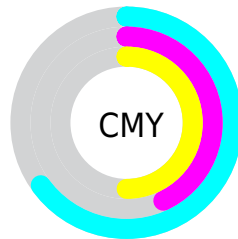
- Red (35%)
- Green (57%)
- Blue (50%)



- Red (35%)
- Yellow (48%)
- Blue (57%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (43%)





- Cyan (65%)
- Magenta (43%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 22.500, 171.576 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, 22.500, 171.576 by changing the saturation by 10% instead.


 56, 22.500,
171.576


 56, 22.500,
171.576


 100, 22.500,
171.576


 46, 22.500,
171.576


 76, 22.500,
171.576

 36, 22.500,
171.576

 86, 22.500,
171.576

 26, 22.500,
171.576

 96, 22.500,
171.576

 16, 22.500,
171.576

 6, 22.500, 171.576

 0, 22.500, 171.576

■ 56, 22.500,
171.576

■ 56, 22.500,
171.576

■ 55, 27.761,
170.357

■ 57, 16.875,
172.686

■ 55, 32.559,
169.013

■ 58, 10.981,
173.716

■ 54, 36.812,
167.517

■ 59, 4.910, 174.702

■ 54, 40.465,
165.849

■ 60, 1.257, 355.210

■ 62, 7.453, 356.288

■ 53, 43.500,
163.993

■ 63, 13.626,
357.098

■ 53, 46.025,
161.995

■ 65, 19.735,
357.855

■ 53, 46.526,
161.606

■ 66, 25.750,
358.574

■ 68, 31.652,
359.260

Harmonies

Complementary

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



56, 22.500, 171.576



45, 25.032, 359.663

Rectangle

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



56, 22.500, 171.576



56, 22.500, 221.576



56, 22.500, 351.576



56, 22.500, 41.576

Sweetspot

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



56, 22.501, 171.574



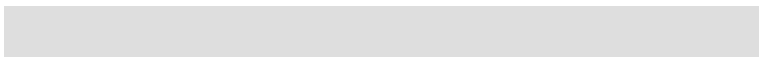
75, 8.388, 174.380



56, 34.559, 133.412



39, 5.613, 174.264



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, 22.501, 171.574



71, 33.120, 170.486



53, 16.274, 219.166



30, 3.434, 174.583



50, 44.141, 161.757



2, 2.337, 175.345

Inverse Universe

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



45, 25.032, 359.663



54, 37.800, 1.165



47, 21.244, 37.767



28, 3.521, 356.114



28, 54.070, 18.682



0, 2.337, 355.332

Previews

White Background



This preview shows how the CIE LCh color 56, 22.500, 171.576 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, 22.500, 171.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

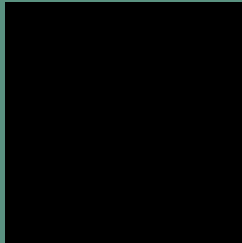
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 22.500, 171.576

Background



This preview shows how black text looks on a background with the CIELCh color 56, 22.500, 171.576.

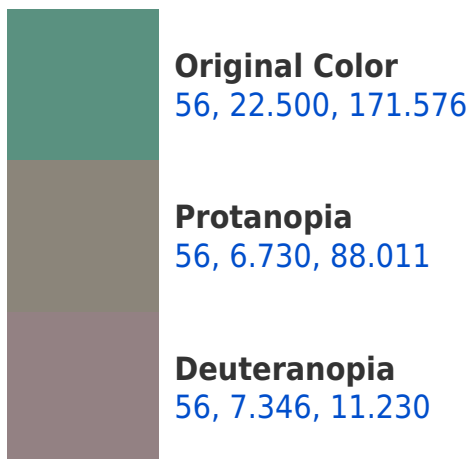


This preview shows how white text looks on a background with the CIELCh color 56, 22.500, 171.576.

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





Tritanopia
56, 16.547, 222.840

Trichromacy



Original Color
56, 22.500, 171.576

Protanomaly
55, 9.832, 149.380

Deuteranomaly
55, 4.579, 160.332

Tritanomaly
56, 16.791, 201.782

Monochromacy



Original Color
56, 22.500, 171.576

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 8.545, 174.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 22.500, 171.576 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(90, 145, 128)` looks like.

```
.text, #text, p{  
    color:rgb(90, 145, 128)  
}
```

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(90, 145, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 145, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 22.500, 171.576 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(90, 145, 128) }
```

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

```
.border{ border-color:rgb(90, 145, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 145, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 145, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 145, 128);  
box-shadow:4px 4px 4px 4px rgb(90, 145,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 22.500, 171.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 145, 128) }
```

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

```
.background{ background-color: rgb(90, 145,  
128) }
```

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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