

Converting Colors

CIE LCh(56, 23.321, 232.535)

Have a look what the booklet for
CIELCh(56, 23.321, 232.535)
contains.

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Color

CIELCh(56, 23.315, 232.592)

Conversions

Conversions Part 1

Format	Color
Hex	4E8FA6
RGB	78, 143, 166
RGB Percent	31%, 56%, 65%
CMY	0.6952, 0.4403, 0.3501
CMYK	0.53, 0.14, 0.00, 0.35
HSL	196°, 36%, 48%
HSV	196°, 53%, 65%
XYZ	19.7561, 23.9124, 39.5145
YIQ	126.1870, -46.1230, -6.6270

Conversions

Conversions Part 2

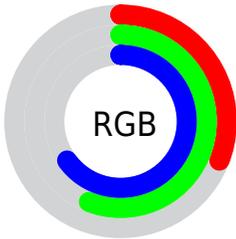
Format	Color
RYB	78, 115, 166
Decimal	5148582
CIELab	56.00, -14.16, -18.52
CIELCh	56, 23.315, 232.592
Yxy	23.9124, 0.2375, 0.2875
Android (android.graphics.Color)	4283338662 (0xFF4E8FA6)
YUV	126.1870, 19.6278, -42.2600
Hunter-Lab	48.9003, -13.4602, -13.6797

Details

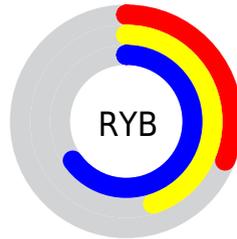
The CIELCh color **56, 23.315, 232.592** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 33.812, 45.386**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 23.303, 232.127**, and **36, 23.265, 231.801** is the 20% darker color. If you saturate the color by 10%, you get **54, 26.361, 234.813**, and if you desaturate by 10%, it is **58, 19.761, 230.839**.

Distribution



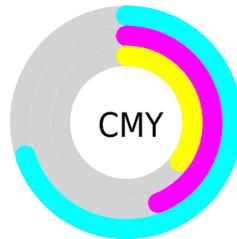
- Red (31%)
- Green (56%)
- Blue (65%)



- Red (31%)
- Yellow (45%)
- Blue (65%)



- Cyan (53%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)



- Cyan (70%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 23.315, 232.592 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, 23.315, 232.592 by changing the saturation by 10% instead.

 56, 23.315,
232.592

 56, 23.315,
232.592

 100, 23.315,
232.592

 46, 23.315,
232.592

 76, 23.315,
232.592

 36, 23.315,
232.592

 86, 23.315,
232.592

 26, 23.315,
232.592

 96, 23.315,
232.592

 16, 23.315,
232.592

 6, 23.315, 232.592

 0, 23.315, 232.592

■ 56, 23.315,
232.592

■ 56, 23.315,
232.592

■ 54, 26.361,
234.813

■ 58, 19.761,
230.839

■ 52, 28.879,
237.594

■ 60, 15.749,
229.474

■ 51, 30.893,
241.011

■ 62, 11.341,
228.423

■ 49, 32.483,
245.103

■ 65, 6.603, 227.634

■ 48, 33.488,
248.124

■ 67, 1.601, 227.226

■ 70, 3.609, 46.345

■ 72, 8.977, 46.068

■ 75, 14.461, 45.829

■ 78, 20.027, 45.651

Harmonies

Complementary

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



56, 23.315, 232.592



49, 33.812, 45.386

Rectangle

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



56, 23.315, 232.592



56, 23.315, 282.592



56, 23.315, 52.592



56, 23.315, 102.592

Sweetspot

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



56, 23.314, 232.591



81, 9.857, 227.858



61, 48.955, 147.451



42, 6.610, 228.007



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, 23.314, 232.591



68, 32.585, 235.333



43, 39.781, 286.461



33, 2.840, 227.402



42, 30.315, 247.552



3, 4.475, 233.540

Inverse Universe

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



46, 48.603, 336.621



55, 69.412, 337.709



60, 37.799, 90.679



32, 5.222, 333.329



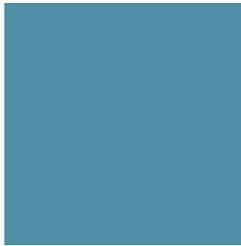
32, 62.513, 341.788



1, 7.759, 334.932

Previews

White Background



This preview shows how the CIELCh color 56, 23.315, 232.592 looks on a white background.

Color Contrast Check

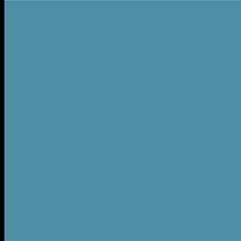
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.315, 232.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

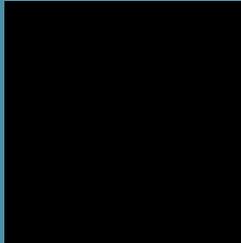
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

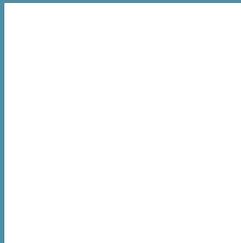
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 23.315, 232.592

Background



This preview shows how black text looks on a background with the CIELCh color 56, 23.315, 232.592.



This preview shows how white text looks on a background with the CIELCh color 56, 23.315, 232.592.

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, 23.315, 232.592

Protanopia

56, 15.520, 286.698

Deuteranopia

56, 21.218, 290.781



Tritanopia
56, 22.730, 215.282

Trichromacy



Original Color
56, 23.315, 232.592

Protanomaly
56, 16.582, 259.246

Deuteranomaly
56, 19.863, 267.291

Tritanomaly
56, 22.892, 221.439

Monochromacy



Original Color
56, 23.315, 232.592

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 9.813, 226.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 23.315, 232.592 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(78, 143, 166)` looks like.

```
.text, #text, p{  
    color:rgb(78, 143, 166)  
}
```

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(78, 143, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 143, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 23.315, 232.592 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(78, 143, 166) }
```

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

```
.border{ border-color:rgb(78, 143, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 143, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 143, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 143, 166);  
box-shadow:4px 4px 4px 4px rgb(78, 143,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 23.315, 232.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 143, 166) }
```

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

```
.background{ background-color: rgb(78, 143,  
166) }
```

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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