

Converting Colors

CIELCh(56, 40.680, 323.935)

Have a look what the booklet for
CIELCh(56, 40.680, 323.935)
contains.

CIELCh(56, 40.681, 323.954)	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, 40.681, 323.954)

Conversions

Conversions Part 1

Format	Color
Hex	AB72B0
RGB	171, 114, 176
RGB Percent	67%, 45%, 69%
CMY	0.3285, 0.5521, 0.3089
CMYK	0.03, 0.35, 0.00, 0.31
HSL	295°, 28%, 57%
HSV	295°, 35%, 69%
XYZ	30.7476, 23.9124, 44.1900
YIQ	138.1110, 14.0700, 31.3660

Conversions

Conversions Part 2

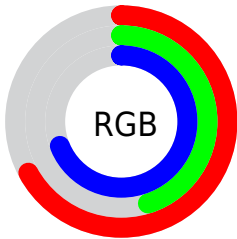
Format	Color
RYB	171, 114, 176
Decimal	11236016
CIELab	56.00, 32.89, -23.94
CIELCh	56, 40.681, 323.954
Yxy	23.9124, 0.3111, 0.2419
Android (android.graphics.Color)	4289426096 (0xFFAB72B0)
YUV	138.1110, 18.6793, 28.8437
Hunter-Lab	48.9003, 26.6619, -19.3487

Details

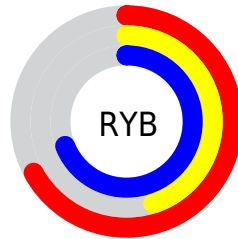
The CIELCh color $56, 40.681, 323.954$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $67, 40.485, 140.025$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 40.625, 323.750$, and $36, 40.848, 324.314$ is the 20% darker color. If you saturate the color by 10%, you get $52, 51.765, 324.388$, and if you desaturate by 10%, it is $60, 29.178, 323.483$.

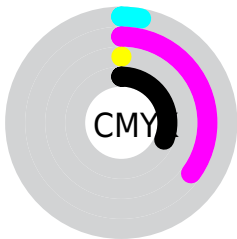
Distribution



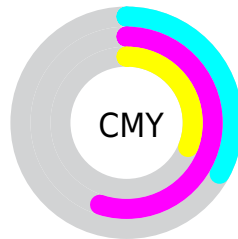
- Red (67%)
- Green (45%)
- Blue (69%)



- Red (67%)
- Yellow (45%)
- Blue (69%)



- Cyan (3%)
- Magenta (35%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (55%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 40.681, 323.954 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, 40.681, 323.954 by changing the saturation by 10% instead.


 56, 40.681,
323.954


 56, 40.681,
323.954


 100, 40.681,
323.954


 46, 40.681,
323.954


 76, 40.681,
323.954

 36, 40.681,
323.954

 86, 40.681,
323.954

 26, 40.681,
323.954

 96, 40.681,
323.954

 16, 40.681,
323.954

 6, 40.681, 323.954

 0, 40.681, 323.954

56, 40.681,
323.954

56, 40.681,
323.954

52, 51.765,
324.388

60, 29.178,
323.483

48, 62.069,
324.761

65, 17.538,
322.990

45, 71.149,
325.050

69, 5.952, 322.475

43, 78.541,
325.228

74, 5.454, 142.068

41, 83.860,
325.274

79, 16.602,
141.573

40, 86.957,
325.177

84, 27.448,
141.121

39, 88.027,
325.105

89, 37.974,
140.697

94, 48.053,
140.299

■ 94, 47.778,
139.846

Harmonies

Complementary

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



56, 40.681, 323.954



67, 40.485, 140.025

Rectangle

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



56, 40.681, 323.954



56, 40.681, 13.954



56, 40.681, 143.954



56, 40.681, 193.954

Sweetspot

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



56, 40.679, 323.954



85, 15.710, 322.789



52, 33.035, 291.305



44, 10.553, 322.855



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



56, 40.679, 323.954



68, 59.819, 324.286



56, 31.336, 342.413



35, 6.585, 322.694



34, 79.311, 325.139



2, 15.656, 321.138

Inverse Universe

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



55, 26.222, 16.427



66, 39.585, 17.681



67, 30.527, 156.265



35, 3.927, 13.399



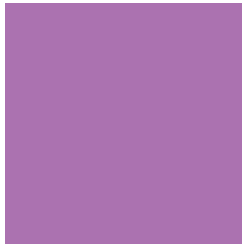
31, 67.974, 36.154



2, 9.204, 14.241

Previews

White Background



This preview shows how the CIELCh color 56, 40.681, 323.954 looks on a white background.

Color Contrast Check

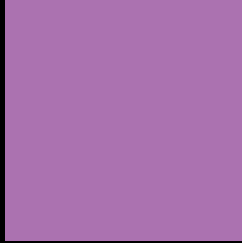
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.681, 323.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

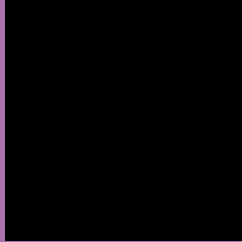
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 40.681, 323.954

Background



This preview shows how black text looks on a background with the CIELCh color 56, 40.681, 323.954.

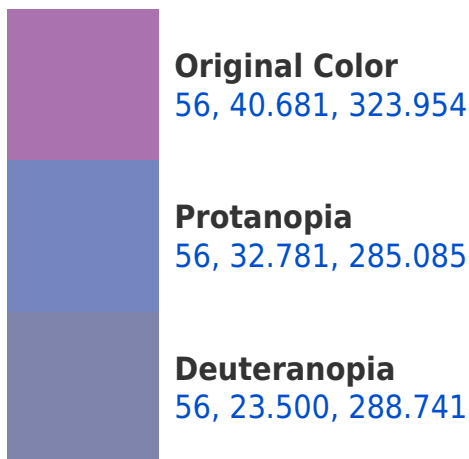


This preview shows how white text looks on a background with the CIELCh color 56, 40.681, 323.954.

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, 17.921, 3.062

Trichromacy



Original Color
56, 40.681, 323.954

Protanomaly
56, 34.141, 300.200

Deuteranomaly
56, 28.293, 305.465

Tritanomaly
56, 24.535, 340.047

Monochromacy



Original Color
56, 40.681, 323.954

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 15.458, 322.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 40.681, 323.954 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(171, 114, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 114, 176)  
}
```

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(171, 114, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 114, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 40.681, 323.954 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(171, 114, 176) }
```

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

```
.border{ border-color:rgb(171, 114, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 114, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 114, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 114, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 114,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 40.681, 323.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 114, 176) }
```

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

```
.background{ background-color: rgb(171,  
114, 176) }
```

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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