

Converting Colors

CIELCh(56, 30.984, 294.967)

Have a look what the booklet for
CIELCh(56, 30.984, 294.967)
contains.

CIELCh(56, 30.984, 294.967)	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, 30.984, 294.967)

Conversions

Conversions Part 1

Format	Color
Hex	8381B7
RGB	131, 129, 183
RGB Percent	51%, 51%, 72%
CMY	0.4866, 0.4944, 0.2827
CMYK	0.28, 0.30, 0.00, 0.28
HSL	242°, 27%, 61%
HSV	242°, 30%, 72%
XYZ	25.7242, 23.9124, 48.0110
YIQ	135.7540, -16.1420, 17.2180

Conversions

Conversions Part 2

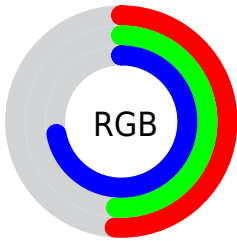
Format	Color
RYB	131, 129, 183
Decimal	8618423
CIELab	56.00, 13.08, -28.09
CIELCh	56, 30.984, 294.967
Yxy	23.9124, 0.2634, 0.2449
Android (android.graphics.Color)	4286808503 (0xFF8381B7)
YUV	135.7540, 23.2923, -4.1693
Hunter-Lab	48.9003, 8.3249, -23.9815

Details

The CIELCh color **56, 30.984, 294.967** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73, 28.871, 108.978**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 30.782, 294.793**, and **36, 31.047, 295.023** is the 20% darker color. If you saturate the color by 10%, you get **50, 42.359, 296.486**, and if you desaturate by 10%, it is **62, 20.067, 293.660**.

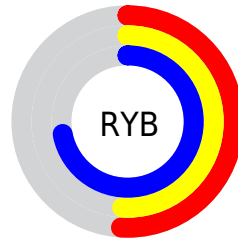
Distribution



Red (51%)

Green (51%)

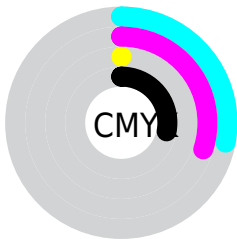
Blue (72%)



Red (51%)

Yellow (51%)

Blue (72%)

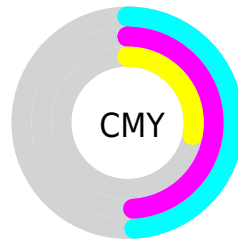


Cyan (28%)

Magenta (30%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (49%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 30.984, 294.967 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, 30.984, 294.967 by changing the saturation by 10% instead.

■ 56, 30.984,
294.967

■ 56, 30.984,
294.967

■ 100, 30.984,
294.967

■ 46, 30.984,
294.967

■ 76, 30.984,
294.967

■ 36, 30.984,
294.967

■ 86, 30.984,
294.967

■ 26, 30.984,
294.967

■ 96, 30.984,
294.967

■ 16, 30.984,
294.967

■ 6, 30.984, 294.967

■ 0, 30.984, 294.967

56, 30.984,
294.967

56, 30.984,
294.967

50, 42.359,
296.486

62, 20.067,
293.660

44, 54.175,
298.222

68, 9.594, 292.547

38, 66.304,
300.142

75, 0.467, 111.491

32, 78.372,
302.142

81, 10.145,
110.777

28, 89.532,
304.016

87, 19.468,
110.088

24, 98.335,
305.461

93, 28.462,
109.496

22, 103.830,
306.353

98, 36.215,
107.892

22, 104.075,

99, 36.213,
107.418

Harmonies

Complementary

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



56, 30.984, 294.967



73, 28.871, 108.978

Rectangle

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



56, 30.984, 294.967



56, 30.984, 344.967



56, 30.984, 114.967



56, 30.984, 164.967

Sweetspot

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



56, 30.983, 294.967



87, 11.195, 292.509



70, 17.791, 201.210



46, 7.864, 292.659



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



56, 30.983, 294.967



67, 45.949, 295.861



58, 32.440, 311.589



35, 5.726, 292.528



18, 92.301, 306.421



1, 15.392, 291.368

Inverse Universe

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



61, 35.113, 327.061



74, 51.226, 327.387



71, 31.244, 128.887



36, 6.739, 325.935



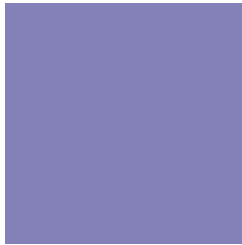
36, 77.638, 329.737



3, 18.132, 326.161

Previews

White Background



This preview shows how the CIELCh color 56, 30.984, 294.967 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, 30.984, 294.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

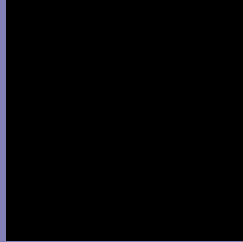
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 30.984, 294.967

Background



This preview shows how black text looks on a background with the CIELCh color 56, 30.984, 294.967.



This preview shows how white text looks on a background with the CIELCh color 56, 30.984, 294.967.

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

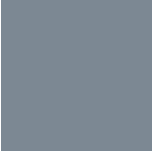
56, 30.984, 294.967

Protanopia

56, 31.076, 285.473

Deuteranopia

56, 28.767, 285.685



Tritanopia
56, 7.619, 255.109

Trichromacy



Original Color
56, 30.984, 294.967

Protanomaly
56, 30.953, 288.938

Deuteranomaly
56, 29.238, 289.047

Tritanomaly
56, 15.565, 284.079

Monochromacy



Original Color
56, 30.984, 294.967

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 11.469, 293.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 30.984, 294.967 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(131, 129, 183)` looks like.

```
.text, #text, p{  
    color:rgb(131, 129, 183)  
}
```

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(131, 129, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 129, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 30.984, 294.967 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(131, 129, 183) }
```

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

```
.border{ border-color:rgb(131, 129, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 129, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 129, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 129, 183);  
box-shadow:4px 4px 4px 4px rgb(131, 129,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 30.984, 294.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 129, 183) }
```

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

```
.background{ background-color: rgb(131,  
129, 183) }
```

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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