

Converting Colors

CIELCh(63, 55.972, 312.265)

Have a look what the booklet for
CIELCh(63, 55.972, 312.265)
contains.

CIELCh(63, 56.005, 312.199)	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(63, 56.005, 312.199)

Conversions

Conversions Part 1

Format	Color
Hex	B683E3
RGB	182, 131, 227
RGB Percent	71%, 51%, 89%
CMY	0.2875, 0.4874, 0.1111
CMYK	0.20, 0.42, 0.00, 0.11
HSL	272°, 63%, 70%
HSV	272°, 42%, 89%
XYZ	41.1124, 31.5869, 76.3669
YIQ	157.1930, -0.4200, 40.6680

Conversions

Conversions Part 2

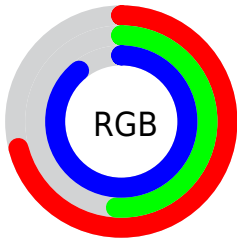
Format	Color
RYB	182, 131, 227
Decimal	11961315
CIELab	63.00, 37.62, -41.49
CIELCh	63, 56.005, 312.199
Yxy	31.5869, 0.2758, 0.2119
Android (android.graphics.Color)	4290151395 (0xFFB683E3)
YUV	157.1930, 34.4149, 21.7557
Hunter-Lab	56.2022, 32.2204, -41.2210

Details

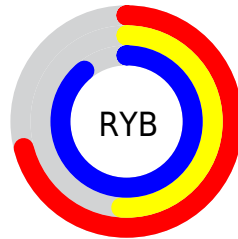
The CIELCh color $63, 56.005, 312.199$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85, 52.906, 128.177$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 41.399, 319.158$, and $43, 56.079, 312.233$ is the 20% darker color. If you saturate the color by 10%, you get $57, 69.433, 312.687$, and if you desaturate by 10%, it is $69, 42.436, 311.684$.

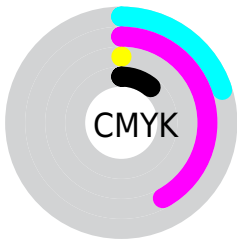
Distribution



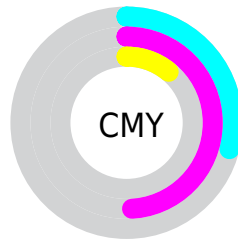
- Red (71%)
- Green (51%)
- Blue (89%)



- Red (71%)
- Yellow (51%)
- Blue (89%)



- Cyan (20%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)





- Cyan (29%)
- Magenta (49%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 56.005, 312.199 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 63, 56.005, 312.199 by changing the saturation by 10% instead.


 63, 56.005,
312.199


 63, 56.005,
312.199


 100, 56.005,
312.199


 53, 56.005,
312.199


 83, 56.005,
312.199

 43, 56.005,
312.199

 93, 56.005,
312.199

 33, 56.005,
312.199

 23, 56.005,
312.199

 13, 56.005,
312.199

 3, 56.005, 312.199

 0, 56.005, 312.199

63, 56.005,
312.199

63, 56.005,
312.199

57, 69.433,
312.687

69, 42.436,
311.684

51, 82.301,
313.095

76, 28.987,
311.174

46, 93.968,
313.349

82, 15.803,
310.688

42, 103.588,
313.348

89, 2.960, 310.202

39, 110.299,
312.985

95, 9.511, 129.859

99, 14.789,
122.600

37, 113.545,
312.481

99, 14.333,
109.094

Harmonies

Complementary

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



63, 56.005, 312.199



85, 52.906, 128.177

Rectangle

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



63, 56.005, 312.199



63, 56.005, 2.199



63, 56.005, 132.199



63, 56.005, 182.199

Sweetspot

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



63, 56.003, 312.199



91, 18.339, 310.723



71, 29.878, 264.756



47, 12.871, 310.829



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 56.003, 312.199



64, 74.439, 312.640



68, 60.037, 327.171



44, 7.186, 310.551



28, 93.802, 312.670



4, 33.699, 311.489

Inverse Universe

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



66, 43.130, 349.856



69, 56.619, 351.233



83, 60.207, 141.578



44, 5.629, 346.132



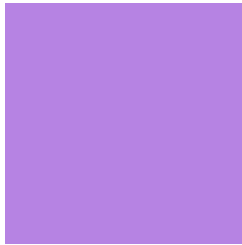
38, 63.950, 4.808



6, 26.144, 357.017

Previews

White Background



This preview shows how the CIELCh color 63, 56.005, 312.199 looks on a white background.

Color Contrast Check

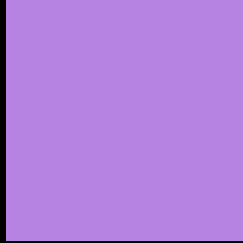
Large Text (above 18pt) WCAG AA × Fail

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 63, 56.005, 312.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

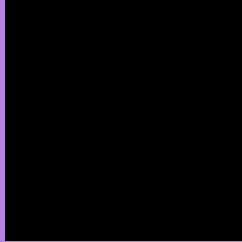
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 56.005, 312.199

Background



This preview shows how black text looks on a background with the CIELCh color 63, 56.005, 312.199.



This preview shows how white text looks on a background with the CIELCh color 63, 56.005, 312.199.

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
63, 56.005, 312.199

Protanopia
63, 52.185, 285.748

Deuteranopia
63, 40.646, 283.167



Tritanopia
63, 11.154, 347.161

Trichromacy



Original Color
63, 56.005, 312.199



Protanomaly
63, 52.562, 294.925



Deuteranomaly
63, 44.814, 295.203



Tritanomaly
63, 26.653, 320.111

Monochromacy



Original Color
63, 56.005, 312.199



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 20.836, 311.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 56.005, 312.199 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(182, 131, 227)` looks like.

```
.text, #text, p{  
    color:rgb(182, 131, 227)  
}
```

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(182, 131, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 131, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 56.005, 312.199 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(182, 131, 227) }
```

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

```
.border{ border-color:rgb(182, 131, 227) }
```

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

Here you see how a box with a 4 pixel rgb(182, 131, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 131, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 131, 227);  
box-shadow:4px 4px 4px 4px rgb(182, 131,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 56.005, 312.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 131, 227) }
```

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

```
.background{ background-color: rgb(182,  
131, 227) }
```

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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