

Converting Colors

CIELCh(55, 63.236, 307.140)

Have a look what the booklet for
CIELCh(55, 63.236, 307.140)
contains.

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Color

CIELCh(55, 63.383, 307.002)

Conversions

Conversions Part 1

Format	Color
Hex	956FDC
RGB	149, 111, 220
RGB Percent	58%, 44%, 86%
CMY	0.4156, 0.5647, 0.1372
CMYK	0.32, 0.50, 0.00, 0.14
HSL	261°, 61%, 65%
HSV	261°, 50%, 86%
XYZ	31.0020, 22.9298, 70.5102
YIQ	134.7880, -12.3410, 41.9550

Conversions

Conversions Part 2

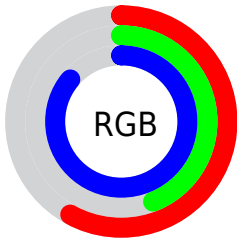
Format	Color
R_{YB}	149, 111, 220
Decimal	9793500
CIE _{Lab}	55.00, 38.15, -50.62
CIE _{LCh}	55, 63.383, 307.002
Yxy	22.9298, 0.2491, 0.1843
Android (android.graphics.Color)	4287983580 (0xFF956FDC)
YUV	134.7880, 42.0095, 12.4639
Hunter-Lab	47.8851, 31.7663, -53.7842

Details

The CIELCh color $55, 63.383, 307.002$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $83, 57.261, 121.010$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 51.835, 309.820$, and $35, 63.145, 306.986$ is the 20% darker color. If you saturate the color by 10%, you get $49, 76.720, 307.800$, and if you desaturate by 10%, it is $61, 49.978, 306.204$.

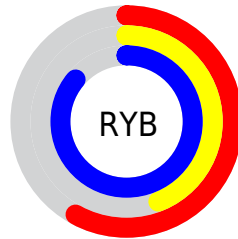
Distribution



Red (58%)

Green (44%)

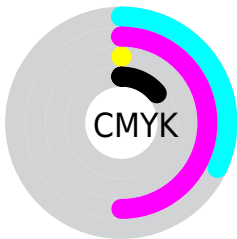
Blue (86%)



Red (58%)

Yellow (44%)

Blue (86%)

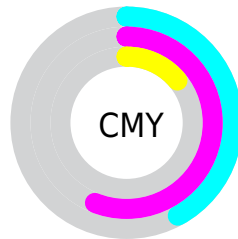


Cyan (32%)

Magenta (50%)

Yellow (0%)

Black (14%)



Cyan (42%)


Magenta (56%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 63.383, 307.002 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 55, 63.383, 307.002 by changing the saturation by 10% instead.


 55, 63.383,
307.002


 55, 63.383,
307.002


 100, 63.383,
307.002


 45, 63.383,
307.002


 75, 63.383,
307.002

 35, 63.383,
307.002

 85, 63.383,
307.002

 25, 63.383,
307.002

 95, 63.383,
307.002

 15, 63.383,
307.002

 5, 63.383, 307.002

 0, 63.383, 307.002

55, 63.383,
307.002

55, 63.383,
307.002

49, 76.720,
307.800

61, 49.978,
306.204

43, 89.478,
308.519

68, 36.786,
305.448

38, 100.810,
309.036

75, 23.940,
304.756

34, 109.564,
309.190

81, 11.496,
304.134

31, 115.080,
308.913

88, 0.531, 123.726

31, 115.309,
308.902

95, 12.146,
123.120

99, 17.838,
115.520

99, 17.693,
108.840

Harmonies

Complementary

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



55, 63.383, 307.002



83, 57.261, 121.010

Rectangle

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



55, 63.383, 307.002



55, 63.383, 357.002



55, 63.383, 127.002



55, 63.383, 177.002

Sweetspot

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



55, 63.382, 307.002



89, 20.559, 304.473



71, 28.370, 242.951



46, 14.077, 304.607



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 63.382, 307.002



56, 85.688, 307.796



61, 66.500, 321.944



43, 6.820, 304.127



24, 96.349, 309.061



3, 30.366, 303.899

Inverse Universe

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



62, 54.275, 340.511



66, 70.946, 341.643



80, 65.555, 136.749



43, 6.263, 336.962



38, 67.212, 348.497



6, 27.160, 344.136

Previews

White Background



This preview shows how the CIELCh color 55, 63.383, 307.002 looks on a white background.

Color Contrast Check

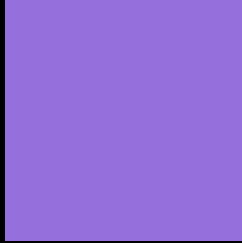
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 63.383, 307.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

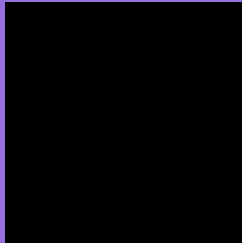
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 63.383, 307.002

Background



This preview shows how black text looks on a background with the CIELCh color 55, 63.383, 307.002.

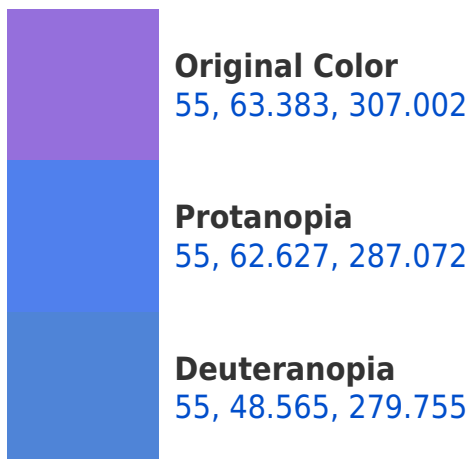



This preview shows how white text looks on a background with the CIELCh color 55, 63.383, 307.002.

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
55, 5.887, 302.199

Trichromacy



Original Color
55, 63.383, 307.002

Protanomaly
55, 62.417, 293.169

Deuteranomaly
54, 53.452, 290.497

Tritanomaly
55, 27.222, 305.219

Monochromacy



Original Color
55, 63.383, 307.002

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 23.636, 305.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 63.383, 307.002 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(149, 111, 220)` looks like.

```
.text, #text, p{  
    color:rgb(149, 111, 220)  
}
```

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(149, 111, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 111, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 63.383, 307.002 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(149, 111, 220) }
```

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

```
.border{ border-color:rgb(149, 111, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 111, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 111, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 111, 220);  
box-shadow:4px 4px 4px 4px rgb(149, 111,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 63.383, 307.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 111, 220) }
```

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

```
.background{ background-color: rgb(149,  
111, 220) }
```

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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