

Converting Colors

CIELCh(55, 48.610, 305.978)

Have a look what the booklet for
CIELCh(55, 48.610, 305.978)
contains.

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Color

CIELCh(55, 48.613, 305.982)

Conversions

Conversions Part 1

Format	Color
Hex	9175C8
RGB	145, 117, 200
RGB Percent	57%, 46%, 78%
CMY	0.4312, 0.5410, 0.2155
CMYK	0.27, 0.41, 0.00, 0.22
HSL	260°, 43%, 62%
HSV	260°, 41%, 78%
XYZ	28.4834, 22.9298, 57.5990
YIQ	134.8340, -9.9550, 31.7490

Conversions

Conversions Part 2

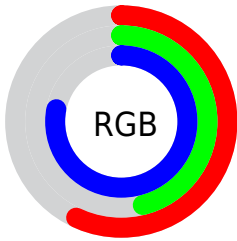
Format	Color
RYB	145, 117, 200
Decimal	9532872
CIELab	55.00, 28.56, -39.34
CIELCh	55, 48.613, 305.982
Yxy	22.9298, 0.2613, 0.2103
Android (android.graphics.Color)	4287722952 (0xFF9175C8)
YUV	134.8340, 32.1268, 8.9156
Hunter-Lab	47.8851, 22.3777, -37.7979

Details

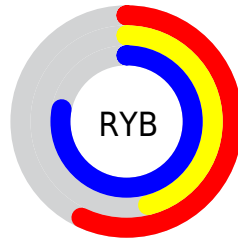
The CIELCh color $55, 48.613, 305.982$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $77, 44.745, 120.945$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 47.721, 306.167$, and $35, 48.983, 306.004$ is the 20% darker color. If you saturate the color by 10%, you get $49, 61.047, 306.805$, and if you desaturate by 10%, it is $61, 36.353, 305.201$.

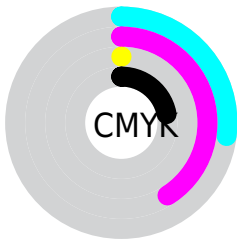
Distribution



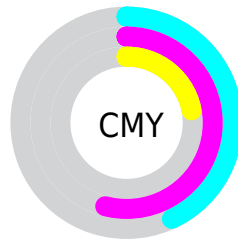
- Red (57%)
- Green (46%)
- Blue (78%)



- Red (57%)
- Yellow (46%)
- Blue (78%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)





- Cyan (43%)
- Magenta (54%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 48.613, 305.982 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, 48.613, 305.982 by changing the saturation by 10% instead.


 55, 48.613,
305.982

 55, 48.613,
305.982


 100, 48.613,
305.982


 45, 48.613,
305.982


 75, 48.613,
305.982


 35, 48.613,
305.982


 85, 48.613,
305.982

 25, 48.613,
305.982

 95, 48.613,
305.982

 15, 48.613,
305.982

 5, 48.613, 305.982

 0, 48.613, 305.982

55, 48.613,
305.982

55, 48.613,
305.982

49, 61.047,
306.805

61, 36.353,
305.201

43, 73.380,
307.622

67, 24.407,
304.484

38, 85.099,
308.350

74, 12.832,
303.840

34, 95.371,
308.857

80, 1.644, 303.239

86, 9.160, 122.786


30, 103.105,
308.978

92, 19.596,
122.350

28, 107.519,
308.792

98, 28.517,
121.027

99, 27.759,
111.104

 99, 27.709,
108.073

Harmonies

Complementary

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



55, 48.613, 305.982



77, 44.745, 120.945

Rectangle

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



55, 48.613, 305.982



55, 48.613, 355.982



55, 48.613, 125.982



55, 48.613, 175.982

Sweetspot

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



55, 48.612, 305.982



91, 16.338, 303.881



68, 22.611, 241.129



47, 10.861, 303.963



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, 48.612, 305.982



63, 72.132, 306.741



59, 51.994, 321.636



39, 6.281, 303.713



22, 92.272, 308.936



2, 21.882, 300.634

Inverse Universe

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



60, 42.918, 339.128



70, 62.073, 340.041



74, 51.295, 137.360



39, 5.825, 336.462



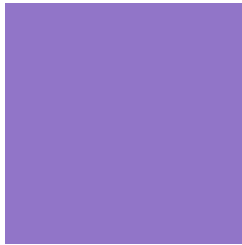
36, 64.739, 347.487



4, 19.940, 342.886

Previews

White Background



This preview shows how the CIELCh color 55, 48.613, 305.982 looks on a white background.

Color Contrast Check

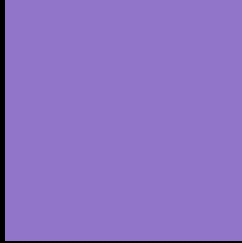
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.613, 305.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

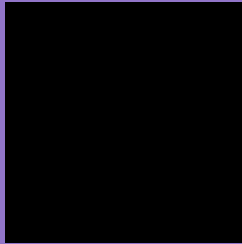
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 48.613, 305.982

Background



This preview shows how black text looks on a background with the CIELCh color 55, 48.613, 305.982.

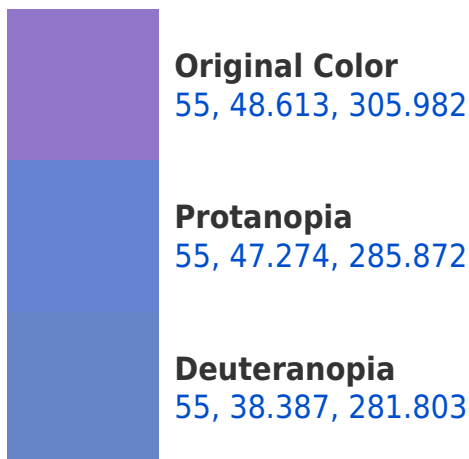


This preview shows how white text looks on a background with the CIELCh color 55, 48.613, 305.982.

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, 5.978, 305.835

Trichromacy



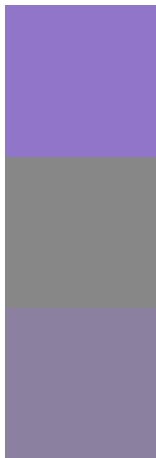
Original Color
55, 48.613, 305.982

Protanomaly
55, 47.053, 292.358

Deuteranomaly
55, 41.355, 291.582

Tritanomaly
55, 21.919, 305.038

Monochromacy



Original Color
55, 48.613, 305.982

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 18.336, 304.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 48.613, 305.982 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(145, 117, 200)` looks like.

```
.text, #text, p{  
    color:rgb(145, 117, 200)  
}
```

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(145, 117, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 117, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 48.613, 305.982 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(145, 117, 200) }
```

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

```
.border{ border-color:rgb(145, 117, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 117, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 117, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 117, 200);  
box-shadow:4px 4px 4px 4px rgb(145, 117,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 48.613, 305.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 117, 200) }
```

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

```
.background{ background-color: rgb(145,  
117, 200) }
```

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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