

Converting Colors

CIELCh(55, 47.382, 302.933)

Have a look what the booklet for
CIELCh(55, 47.382, 302.933)
contains.

CIELCh(55, 47.649, 302.993)	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(55, 47.649, 302.993)

Conversions

Conversions Part 1

Format	Color
Hex	8B77C9
RGB	139, 119, 201
RGB Percent	55%, 47%, 79%
CMY	0.4546, 0.5330, 0.2114
CMYK	0.31, 0.41, 0.00, 0.21
HSL	255°, 43%, 63%
HSV	255°, 41%, 79%
XYZ	27.8207, 22.9298, 58.2717
YIQ	134.3280, -14.4020, 29.7420

Conversions

Conversions Part 2

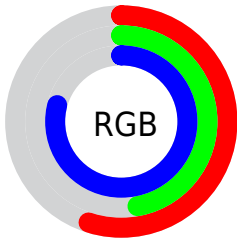
Format	Color
R_{YB}	139, 119, 201
Decimal	9140169
CIE Lab	55.00, 25.95, -39.96
CIE LCh	55, 47.649, 302.993
Yxy	22.9298, 0.2552, 0.2103
Android (android.graphics.Color)	4287330249 (0xFF8B77C9)
YUV	134.3280, 32.8693, 4.0973
Hunter-Lab	47.8851, 19.9076, -38.6308

Details

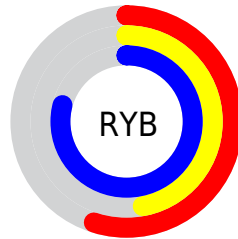
The CIELCh color $55, 47.649, 302.993$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $78, 43.459, 117.118$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 46.184, 303.249$, and $35, 47.546, 303.116$ is the 20% darker color. If you saturate the color by 10%, you get $49, 60.249, 304.052$, and if you desaturate by 10%, it is $61, 35.342, 302.022$.

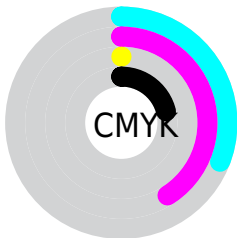
Distribution



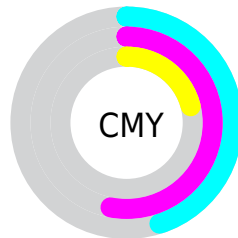
- Red (55%)
- Green (47%)
- Blue (79%)



- Red (55%)
- Yellow (47%)
- Blue (79%)



- Cyan (31%)
- Magenta (41%)
- Yellow (0%)
- Black (21%)




- Cyan (45%)
- Magenta (53%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 47.649, 302.993 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, 47.649, 302.993 by changing the saturation by 10% instead.


 55, 47.649,
302.993


 55, 47.649,
302.993


 100, 47.649,
302.993


 45, 47.649,
302.993


 75, 47.649,
302.993

 35, 47.649,
302.993

 85, 47.649,
302.993

 25, 47.649,
302.993

 95, 47.649,
302.993

 15, 47.649,
302.993

 5, 47.649, 302.993

 0, 47.649, 302.993

55, 47.649,
302.993

55, 47.649,
302.993

49, 60.249,
304.052

61, 35.342,
302.022

43, 72.914,
305.155

68, 23.428,
301.153

37, 85.162,
306.215

74, 11.934,
300.389

32, 96.129,
307.083

81, 0.858, 299.695

87, 9.816, 119.155

29, 104.559,
307.559

93, 20.111,
118.657

26, 109.625,
307.627

98, 27.458,
115.546

99, 27.191,
108.113

Harmonies

Complementary

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



55, 47.649, 302.993



78, 43.459, 117.118

Rectangle

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



55, 47.649, 302.993



55, 47.649, 352.993



55, 47.649, 122.993



55, 47.649, 172.993

Sweetspot

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



55, 47.648, 302.993



91, 16.147, 300.489



71, 22.099, 226.541



47, 10.736, 300.587



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, 47.648, 302.993



62, 70.390, 303.933



59, 50.400, 318.511



39, 6.206, 300.290



20, 93.729, 307.745



2, 21.723, 298.145

Inverse Universe

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



61, 45.116, 334.938



71, 64.789, 335.642



75, 49.125, 134.682



39, 6.227, 332.686



36, 68.755, 340.806



4, 21.590, 337.315

Previews

White Background



This preview shows how the CIELCh color 55, 47.649, 302.993 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, 47.649, 302.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

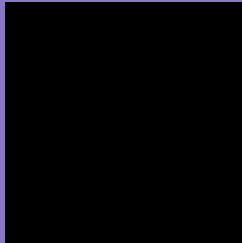
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 47.649, 302.993

Background



This preview shows how black text looks on a background with the CIELCh color 55, 47.649, 302.993.

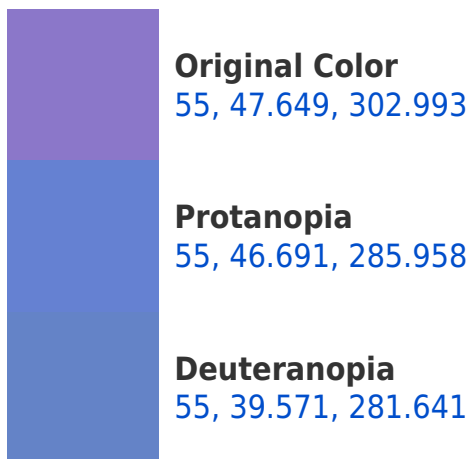


This preview shows how white text looks on a background with the CIELCh color 55, 47.649, 302.993.

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, 6.013, 272.502

Trichromacy



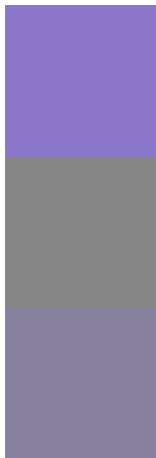
Original Color
55, 47.649, 302.993

Protanomaly
55, 47.066, 292.023

Deuteranomaly
55, 41.945, 289.707

Tritanomaly
55, 20.826, 296.556

Monochromacy



Original Color
55, 47.649, 302.993

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 16.911, 300.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 47.649, 302.993 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(139, 119, 201)` looks like.

```
.text, #text, p{  
    color:rgb(139, 119, 201)  
}
```

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(139, 119, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 119, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 47.649, 302.993 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(139, 119, 201) }
```

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

```
.border{ border-color:rgb(139, 119, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 119, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 119, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 119, 201);  
box-shadow:4px 4px 4px 4px rgb(139, 119,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 47.649, 302.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 119, 201) }
```

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

```
.background{ background-color: rgb(139,  
119, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor