

Converting Colors

CIELCh(55, 45.518, 313.325)

Have a look what the booklet for
CIELCh(55, 45.518, 313.325)
contains.

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Color

CIELCh(55, 45.451, 313.390)

Conversions

Conversions Part 1

Format	Color
Hex	9D72BD
RGB	157, 114, 189
RGB Percent	62%, 45%, 74%
CMY	0.3837, 0.5524, 0.2582
CMYK	0.17, 0.40, 0.00, 0.26
HSL	274°, 36%, 59%
HSV	274°, 40%, 74%
XYZ	29.1685, 22.9298, 51.1189
YIQ	135.4070, 1.5530, 32.4410

Conversions

Conversions Part 2

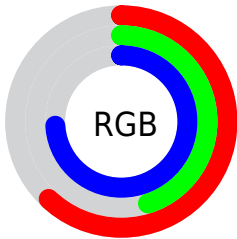
Format	Color
RYB	157, 114, 189
Decimal	10318525
CIELab	55.00, 31.22, -33.03
CIELCh	55, 45.451, 313.390
Yxy	22.9298, 0.2826, 0.2222
Android (android.graphics.Color)	4288508605 (0xFF9D72BD)
YUV	135.4070, 26.4213, 18.9371
Hunter-Lab	47.8851, 24.9315, -29.7744

Details

The CIELCh color $55, 45.451, 313.390$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $72, 43.390, 129.765$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 45.407, 313.345$, and $35, 45.187, 313.374$ is the 20% darker color. If you saturate the color by 10%, you get $50, 57.073, 313.843$, and if you desaturate by 10%, it is $60, 33.732, 312.913$.

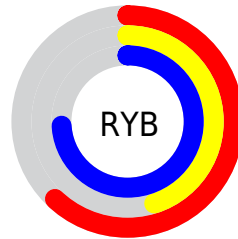
Distribution



Red (62%)

Green (45%)

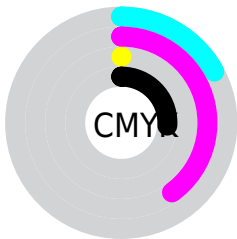
Blue (74%)



Red (62%)

Yellow (45%)

Blue (74%)

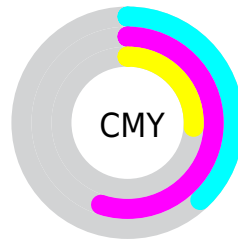


Cyan (17%)

Magenta (40%)

Yellow (0%)

Black (26%)



Cyan (38%)


Magenta (55%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 45.451, 313.390 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, 45.451, 313.390 by changing the saturation by 10% instead.


 55, 45.451,
313.390


 55, 45.451,
313.390


 100, 45.451,
313.390


 45, 45.451,
313.390


 75, 45.451,
313.390

 35, 45.451,
313.390

 85, 45.451,
313.390

 25, 45.451,
313.390

 95, 45.451,
313.390

 15, 45.451,
313.390

 5, 45.451, 313.390

 0, 45.451, 313.390

55, 45.451,
313.390

55, 45.451,
313.390

50, 57.073,
313.843

60, 33.732,
312.913

45, 68.279,
314.228

66, 22.122,
312.440

41, 78.583,
314.484

71, 10.735,
311.983

37, 87.338,
314.528

77, 0.368, 131.947

34, 93.838,
314.265

82, 11.158,
131.206

32, 98.004,
313.695

88, 21.627,
130.854

32, 98.141,
313.676

94, 31.778,
130.543

96, 35.576,
128.063

 97, 34.585,
123.538

Harmonies

Complementary

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



55, 45.451, 313.390



72, 43.390, 129.765

Rectangle

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



55, 45.451, 313.390



55, 45.451, 3.390



55, 45.451, 133.390



55, 45.451, 183.390

Sweetspot

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



55, 45.449, 313.390



88, 16.503, 312.097



60, 25.693, 269.098



46, 10.960, 312.156



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



55, 45.449, 313.390



64, 68.026, 313.804



58, 47.145, 328.504



37, 6.286, 311.969



26, 85.842, 313.827



2, 18.325, 307.604

Inverse Universe

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



57, 34.174, 352.068



68, 50.776, 353.469



70, 47.223, 143.246



37, 4.749, 348.577



33, 59.095, 8.425



3, 13.444, 355.848

Previews

White Background



This preview shows how the CIELCh color 55, 45.451, 313.390 looks on a white background.

Color Contrast Check

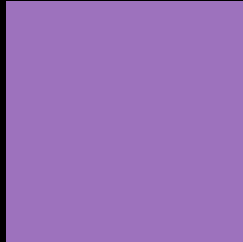
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 45.451, 313.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

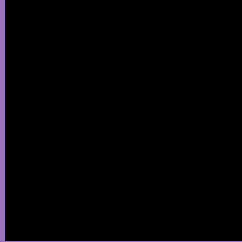
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 45.451, 313.390

Background



This preview shows how black text looks on a background with the CIELCh color 55, 45.451, 313.390.

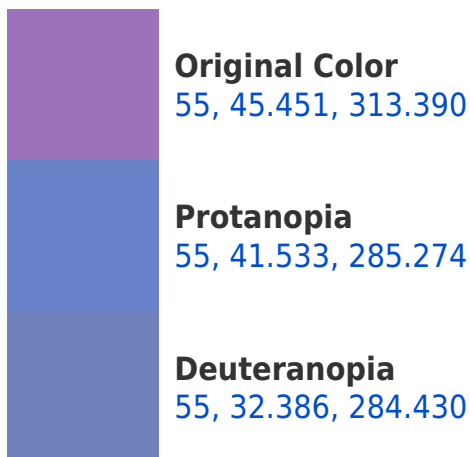


This preview shows how white text looks on a background with the CIELCh color 55, 45.451, 313.390.

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, 10.185, 350.170

Trichromacy



Original Color
55, 45.451, 313.390

Protanomaly
55, 41.984, 295.414

Deuteranomaly
55, 36.354, 296.931

Tritanomaly
55, 21.949, 322.094

Monochromacy



Original Color
55, 45.451, 313.390

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 16.687, 312.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 45.451, 313.390 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(157, 114, 189)` looks like.

```
.text, #text, p{  
    color:rgb(157, 114, 189)  
}
```

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(157, 114, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 114, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 45.451, 313.390 is called "border". The border property can be set on classes, ids or directly on the HTML element.

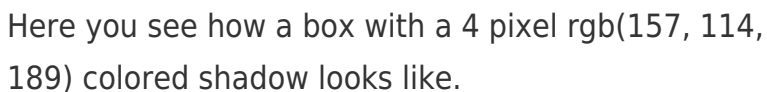
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 114, 189) }
```

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

```
.border{ border-color:rgb(157, 114, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 114, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 114, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 114, 189); box-shadow:4px 4px 4px 4px rgb(157, 114, 189) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 45.451, 313.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 114, 189) }
```

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

```
.background{ background-color: rgb(157,  
114, 189) }
```

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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