

Converting Colors

CIELCh(55, 37.665, 317.701)

Have a look what the booklet for
CIELCh(55, 37.665, 317.701)
contains.

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Color

CIELCh(55, 37.668, 317.701)

Conversions

Conversions Part 1

Format	Color
Hex	9F74B0
RGB	159, 116, 176
RGB Percent	62%, 45%, 69%
CMY	0.3772, 0.5458, 0.3105
CMYK	0.10, 0.34, 0.00, 0.31
HSL	283°, 27%, 57%
HSV	283°, 34%, 69%
XYZ	28.3048, 22.9298, 43.9116
YIQ	135.6970, 6.3680, 27.7760

Conversions

Conversions Part 2

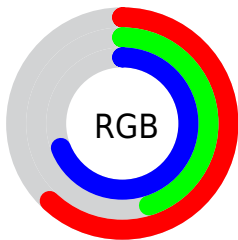
Format	Color
RYB	159, 116, 176
Decimal	10450096
CIELab	55.00, 27.86, -25.35
CIELCh	55, 37.668, 317.701
Yxy	22.9298, 0.2975, 0.2410
Android (android.graphics.Color)	4288640176 (0xFF9F74B0)
YUV	135.6970, 19.8694, 20.4367
Hunter-Lab	47.8851, 21.7119, -20.8505

Details

The CIELCh color **55, 37.668, 317.701** is a light color, and the websafe version is hex **996699**. A complement of this color would be **67, 36.797, 134.598**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 37.438, 317.351**, and **35, 37.520, 318.028** is the 20% darker color. If you saturate the color by 10%, you get **50, 48.707, 318.102**, and if you desaturate by 10%, it is **60, 26.495, 317.273**.

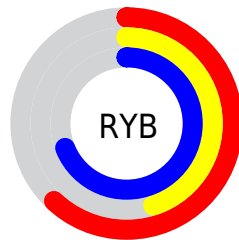
Distribution



Red (62%)

Green (45%)

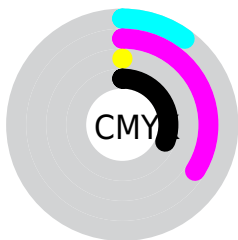
Blue (69%)



Red (62%)

Yellow (45%)

Blue (69%)

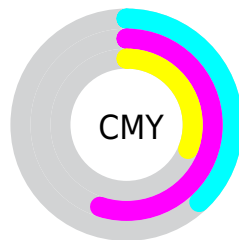


Cyan (10%)

Magenta (34%)

Yellow (0%)

Black (31%)



Cyan (38%)


Magenta (55%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 37.668, 317.701 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, 37.668, 317.701 by changing the saturation by 10% instead.


 55, 37.668,
317.701


 55, 37.668,
317.701


 100, 37.668,
317.701


 45, 37.668,
317.701


 75, 37.668,
317.701

 35, 37.668,
317.701

 85, 37.668,
317.701

 25, 37.668,
317.701

 95, 37.668,
317.701

 15, 37.668,
317.701

 5, 37.668, 317.701

 0, 37.668, 317.701

■ 55, 37.668,
317.701

■ 55, 37.668,
317.701

■ 50, 48.707,
318.102

■ 60, 26.495,
317.273

■ 46, 59.330,
318.443

■ 65, 15.382,
316.837

■ 42, 69.135,
318.683

■ 70, 4.444, 316.389

■ 75, 6.249, 136.054

■ 39, 77.608,
318.768

■ 80, 16.662,
135.662

■ 36, 84.200,
318.637

■ 85, 26.779,
135.312

■ 34, 88.483,
318.236

■ 90, 36.600,
134.993

■ 33, 90.312,
317.928

■ 95, 45.266,
134.569

 95, 44.426,
132.619

Harmonies

Complementary

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



55, 37.668, 317.701



67, 36.797, 134.598

Rectangle

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



55, 37.668, 317.701



55, 37.668, 7.701



55, 37.668, 137.701



55, 37.668, 187.701

Sweetspot

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



55, 37.666, 317.701



85, 13.479, 316.665



56, 24.547, 278.964



44, 9.199, 316.725



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 37.666, 317.701



66, 56.245, 318.010



56, 35.079, 332.707



34, 6.070, 316.626



28, 80.473, 318.040



2, 12.422, 313.428

Inverse Universe

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



55, 26.033, 1.001



67, 39.148, 2.224



67, 34.938, 147.889



34, 4.087, 357.933



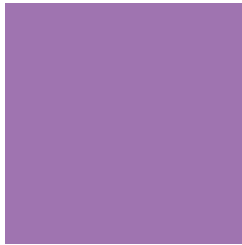
31, 59.306, 21.588



2, 8.264, 0.904

Previews

White Background



This preview shows how the CIELCh color 55, 37.668, 317.701 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, 37.668, 317.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

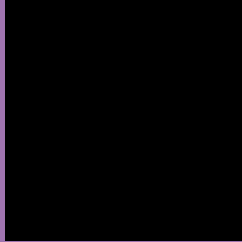
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 37.668, 317.701

Background



This preview shows how black text looks on a background with the CIELCh color 55, 37.668, 317.701.



This preview shows how white text looks on a background with the CIELCh color 55, 37.668, 317.701.

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

55, 37.668, 317.701

Protanopia

55, 32.907, 285.202

Deuteranopia

55, 24.767, 286.829



Tritanopia
55, 12.960, 354.743

Trichromacy



Original Color
55, 37.668, 317.701

Protanomaly
55, 33.469, 296.878

Deuteranomaly
55, 28.503, 300.402

Tritanomaly
55, 20.734, 331.039

Monochromacy



Original Color
55, 37.668, 317.701

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 13.387, 316.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 37.668, 317.701 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(159, 116, 176)` looks like.

```
.text, #text, p{  
    color:rgb(159, 116, 176)  
}
```

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(159, 116, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 116, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 37.668, 317.701 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(159, 116, 176) }
```

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

```
.border{ border-color:rgb(159, 116, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 116, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 116, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 116, 176);  
box-shadow:4px 4px 4px 4px rgb(159, 116,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 37.668, 317.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 116, 176) }
```

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

```
.background{ background-color: rgb(159,  
116, 176) }
```

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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