

Converting Colors

CIELCh(38, 54.724, 315.933)

Have a look what the booklet for
CIELCh(38, 54.724, 315.933)
contains.

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Color

CIELCh(38, 55.163, 315.906)

Conversions

Conversions Part 1

Format	Color
Hex	784198
RGB	120, 65, 152
RGB Percent	47%, 25%, 60%
CMY	0.5285, 0.7443, 0.4030
CMYK	0.21, 0.57, 0.00, 0.40
HSL	278°, 40%, 43%
HSV	278°, 57%, 60%
XYZ	15.3652, 10.0881, 30.9405
YIQ	91.3630, 4.8530, 38.7170

Conversions

Conversions Part 2

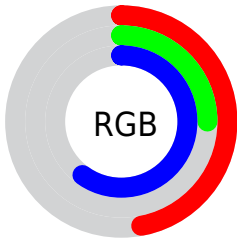
Format	Color
R_{YB}	120, 65, 152
Decimal	7881112
CIE _{Lab}	38.00, 39.62, -38.38
CIE _{LCh}	38, 55.163, 315.906
Yxy	10.0881, 0.2725, 0.1789
Android (android.graphics.Color)	4286071192 (0xFF784198)
YUV	91.3630, 29.8940, 25.1146
Hunter-Lab	31.7617, 30.7691, -35.5239

Details

The CIELCh color **38, 55.163, 315.906** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **58, 52.283, 130.912**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 55.413, 315.767**, and **18, 54.967, 315.938** is the 20% darker color. If you saturate the color by 10%, you get **34, 63.920, 316.155**, and if you desaturate by 10%, it is **42, 45.719, 315.549**.

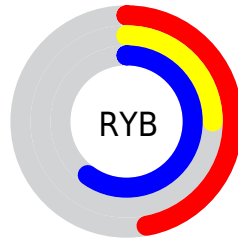
Distribution



Red (47%)

Green (25%)

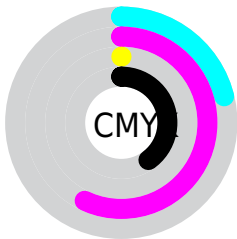
Blue (60%)



Red (47%)

Yellow (25%)

Blue (60%)

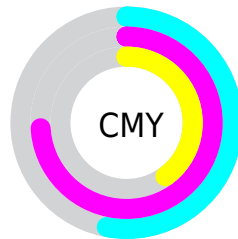


Cyan (21%)

Magenta (57%)

Yellow (0%)

Black (40%)



Cyan (53%)


Magenta (74%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 55.163, 315.906 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 38, 55.163, 315.906 by changing the saturation by 10% instead.


 38, 55.163,
315.906


 38, 55.163,
315.906

 100, 55.163,
315.906


 28, 55.163,
315.906

 58, 55.163,
315.906


 18, 55.163,
315.906


 68, 55.163,
315.906

 8, 55.163, 315.906

 78, 55.163,
315.906

 0, 55.163, 315.906

 88, 55.163,
315.906

 98, 55.163,
315.906

38, 55.163,
315.906

38, 55.163,
315.906

34, 63.920,
316.155

42, 45.719,
315.549

31, 71.519,
316.229

46, 35.951,
315.133

29, 77.426,
316.055

51, 26.105,
314.693

27, 81.407,
315.599

55, 16.338,
314.252

26, 82.470,
315.474

60, 6.743, 313.819

64, 2.626, 133.491

69, 11.744,
133.086

73, 20.600,
132.746

■ 78, 29.197,
132.441

Harmonies

Complementary

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



38, 55.163, 315.906



58, 52.283, 130.912

Rectangle

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



38, 55.163, 315.906



38, 55.163, 5.906



38, 55.163, 135.906



38, 55.163, 185.906

Sweetspot

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



38, 55.162, 315.906



71, 20.128, 314.260



42, 33.301, 277.955



36, 13.453, 314.339



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



38, 55.162, 315.906



44, 81.090, 316.201



42, 53.231, 331.085



30, 5.355, 313.909



24, 77.641, 315.549



1, 5.715, 313.199

Inverse Universe

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



40, 39.837, 358.968



48, 57.983, 2.210



56, 53.799, 142.766



30, 3.851, 352.213



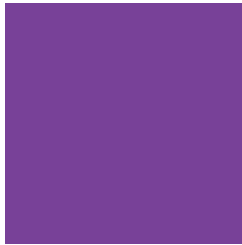
29, 54.562, 13.450



1, 4.085, 351.832

Previews

White Background



This preview shows how the CIELCh color 38, 55.163, 315.906 looks on a white 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

Black Background



This preview shows how the CIELCh color 38, 55.163, 315.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

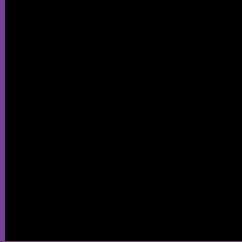
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 55.163, 315.906

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.163, 315.906.

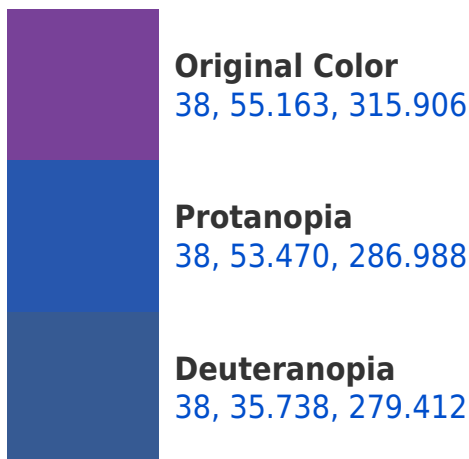


This preview shows how white text looks on a background with the CIELCh color 38, 55.163, 315.906.

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
38, 12.883, 2.066

Trichromacy



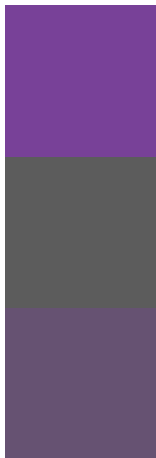
Original Color
38, 55.163, 315.906

Protanomaly
37, 53.401, 295.194

Deuteranomaly
37, 41.872, 295.205

Tritanomaly
38, 26.622, 327.653

Monochromacy



Original Color
38, 55.163, 315.906

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 21.258, 314.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.163, 315.906 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(120, 65, 152)` looks like.

```
.text, #text, p{  
    color:rgb(120, 65, 152)  
}
```

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(120, 65, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 65, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.163, 315.906 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(120, 65, 152) }
```

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

```
.border{ border-color:rgb(120, 65, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 65, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 65, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 65, 152);  
box-shadow:4px 4px 4px 4px rgb(120, 65,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.163, 315.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 65, 152) }
```

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

```
.background{ background-color: rgb(120, 65,  
152) }
```

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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