

Converting Colors

CIELCh(38, 54.895, 304.571)

Have a look what the booklet for
CIELCh(38, 54.895, 304.571)
contains.

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Color

CIELCh(38, 54.820, 304.779)

Conversions

Conversions Part 1

Format	Color
Hex	614AA3
RGB	97, 74, 163
RGB Percent	38%, 29%, 64%
CMY	0.6195, 0.7097, 0.3607
CMYK	0.40, 0.55, 0.00, 0.36
HSL	256°, 38%, 46%
HSV	256°, 55%, 64%
XYZ	13.9953, 10.0881, 35.8705
YIQ	91.0230, -14.8610, 32.5550

Conversions

Conversions Part 2

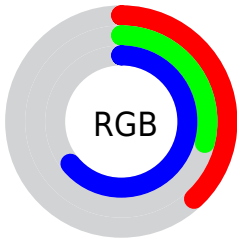
Format	Color
R_{YB}	97, 74, 163
Decimal	6376099
CIE _{Lab}	38.00, 31.27, -45.03
CIE _{LCh}	38, 54.820, 304.779
Yxy	10.0881, 0.2334, 0.1683
Android (android.graphics.Color)	4284566179 (0xFF614AA3)
YUV	91.0230, 35.4847, 5.2418
Hunter-Lab	31.7617, 23.0702, -44.7267

Details

The CIELCh color **38, 54.820, 304.779** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **64, 48.242, 117.057**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 55.317, 304.786**, and **18, 54.353, 304.667** is the 20% darker color. If you saturate the color by 10%, you get **33, 65.409, 305.816**, and if you desaturate by 10%, it is **43, 44.173, 303.759**.

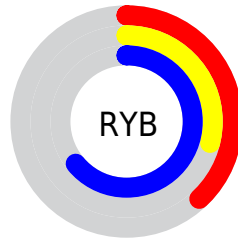
Distribution



Red (38%)

Green (29%)

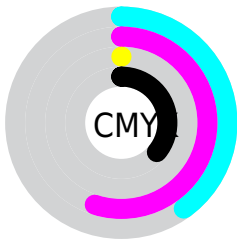
Blue (64%)



Red (38%)

Yellow (29%)

Blue (64%)

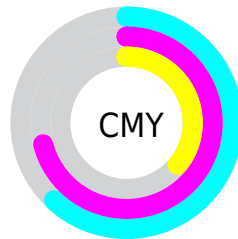


Cyan (40%)

Magenta (55%)

Yellow (0%)

Black (36%)



Cyan (62%)

Magenta (71%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 54.820, 304.779 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, 54.820, 304.779 by changing the saturation by 10% instead.


 38, 54.820,
304.779

 38, 54.820,
304.779

 100, 54.820,
304.779

 28, 54.820,
304.779

 58, 54.820,
304.779

 18, 54.820,
304.779

 68, 54.820,
304.779

 8, 54.820, 304.779

 78, 54.820,
304.779

 0, 54.820, 304.779

 88, 54.820,
304.779

 98, 54.820,
304.779

■ 38, 54.820,
304.779

■ 38, 54.820,
304.779

■ 33, 65.409,
305.816

■ 43, 44.173,
303.759

■ 29, 75.468,
306.770

■ 48, 33.713,
302.806

■ 25, 84.201,
307.487

■ 54, 23.551,
301.944

■ 22, 90.574,
307.781

■ 59, 13.727,
301.179


■ 21, 93.447,
307.905

■ 65, 4.249, 300.504

■ 70, 4.892, 119.933

■ 75, 13.712,
119.423

■ 80, 22.229,
118.985

 86, 30.460,
118.608

Harmonies

Complementary

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



38, 54.820, 304.779



64, 48.242, 117.057

Rectangle

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



38, 54.820, 304.779



38, 54.820, 354.779



38, 54.820, 124.779



38, 54.820, 174.779

Sweetspot

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



38, 54.819, 304.779



74, 18.669, 301.303



55, 23.467, 231.127



38, 12.750, 301.447



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



38, 54.819, 304.779



42, 82.729, 306.080



43, 56.473, 319.484



32, 5.276, 300.809



18, 85.812, 307.986



1, 8.066, 299.303

Inverse Universe

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



45, 49.217, 336.620



54, 70.410, 337.767



61, 54.887, 134.370



32, 5.232, 333.222



32, 62.631, 341.604



1, 7.776, 334.809

Previews

White Background



This preview shows how the CIE LCh color 38, 54.820, 304.779 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 CIE LCh color 38, 54.820, 304.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

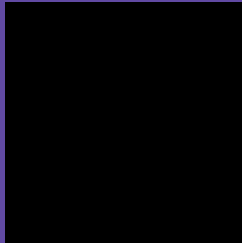
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 54.820, 304.779

Background



This preview shows how black text looks on a background with the CIELCh color 38, 54.820, 304.779.



This preview shows how white text looks on a background with the CIELCh color 38, 54.820, 304.779.

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

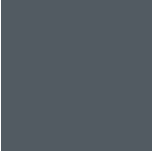
38, 54.820, 304.779

Protanopia

38, 54.729, 286.730

Deuteranopia

38, 42.947, 277.362



Tritanopia
38, 5.536, 250.341

Trichromacy



Original Color
38, 54.820, 304.779

Protanomaly
38, 54.598, 291.692

Deuteranomaly
37, 46.364, 286.692

Tritanomaly
38, 22.860, 295.499

Monochromacy



Original Color
38, 54.820, 304.779

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 20.016, 301.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 54.820, 304.779 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(97, 74, 163)` looks like.

```
.text, #text, p{  
    color:rgb(97, 74, 163)  
}
```

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(97, 74, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 74, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 54.820, 304.779 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(97, 74, 163) }
```

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

```
.border{ border-color:rgb(97, 74, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 74, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 74, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 74, 163);  
box-shadow:4px 4px 4px 4px rgb(97, 74,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 54.820, 304.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 74, 163) }
```

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

```
.background{ background-color: rgb(97, 74,  
163) }
```

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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