

Converting Colors

CIELCh(38, 54.849, 306.897)

Have a look what the booklet for
CIELCh(38, 54.849, 306.897)
contains.

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Color

CIELCh(38, 55.056, 307.039)

Conversions

Conversions Part 1

Format	Color
Hex	6648A1
RGB	102, 72, 161
RGB Percent	40%, 28%, 63%
CMY	0.5990, 0.7167, 0.3676
CMYK	0.37, 0.55, 0.00, 0.37
HSL	260°, 38%, 46%
HSV	260°, 55%, 63%
XYZ	14.2985, 10.0881, 35.0358
YIQ	91.1160, -10.6890, 34.0390

Conversions

Conversions Part 2

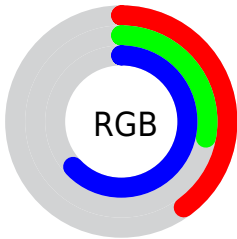
Format	Color
R_{YB}	102, 72, 161
Decimal	6703265
CIE _{Lab}	38.00, 33.16, -43.95
CIE _{LCh}	38, 55.056, 307.039
Yxy	10.0881, 0.2406, 0.1698
Android (android.graphics.Color)	4284893345 (0xFF6648A1)
YUV	91.1160, 34.4528, 9.5453
Hunter-Lab	31.7617, 24.7745, -43.1687

Details

The CIELCh color **38, 55.056, 307.039** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **62, 49.065, 120.365**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 54.521, 306.921**, and **18, 55.372, 307.048** is the 20% darker color. If you saturate the color by 10%, you get **33, 65.314, 307.830**, and if you desaturate by 10%, it is **43, 44.615, 306.224**.

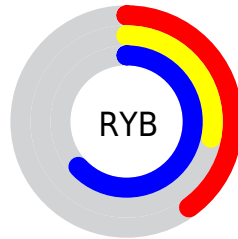
Distribution



Red (40%)

Green (28%)

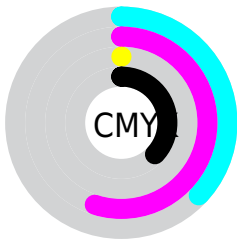
Blue (63%)



Red (40%)

Yellow (28%)

Blue (63%)

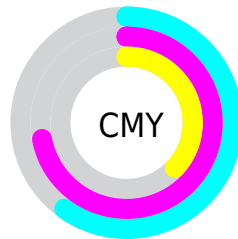


Cyan (37%)

Magenta (55%)

Yellow (0%)

Black (37%)



Cyan (60%)


Magenta (72%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 55.056, 307.039 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, 55.056, 307.039 by changing the saturation by 10% instead.


 38, 55.056,
307.039


 38, 55.056,
307.039

 100, 55.056,
307.039


 28, 55.056,
307.039

 58, 55.056,
307.039


 18, 55.056,
307.039


 68, 55.056,
307.039

 8, 55.056, 307.039

 78, 55.056,
307.039

 0, 55.056, 307.039

 88, 55.056,
307.039

 98, 55.056,
307.039

38, 55.056,
307.039

38, 55.056,
307.039

33, 65.314,
307.830

43, 44.615,
306.224

29, 74.909,
308.504

48, 34.268,
305.439

25, 83.091,
308.925

53, 24.152,
304.711

23, 88.997,
308.945

58, 14.332,
304.052

21, 91.458,
308.944

64, 4.829, 303.460

69, 4.354, 122.968

74, 13.227,
122.510

79, 21.805,
122.117

■ 84, 30.102,
121.778

Harmonies

Complementary

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



38, 55.056, 307.039



62, 49.065, 120.365

Rectangle

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



38, 55.056, 307.039



38, 55.056, 357.039



38, 55.056, 127.039



38, 55.056, 177.039

Sweetspot

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



38, 55.055, 307.039



73, 19.865, 304.185



52, 24.156, 244.081



37, 13.301, 304.305



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



38, 55.055, 307.039



43, 81.664, 307.979



43, 57.125, 322.088



32, 5.331, 303.694



19, 84.660, 309.031



1, 8.142, 302.007

Inverse Universe

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



44, 46.822, 340.422



53, 66.362, 341.822



60, 56.323, 136.418



32, 4.946, 336.439



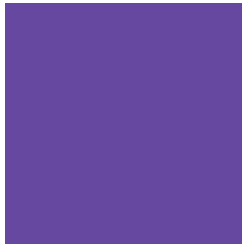
32, 59.583, 347.229



1, 7.327, 338.392

Previews

White Background



This preview shows how the CIELCh color 38, 55.056, 307.039 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, 55.056, 307.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

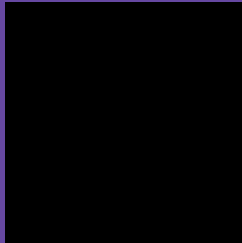
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 55.056, 307.039

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.056, 307.039.



This preview shows how white text looks on a background with the CIELCh color 38, 55.056, 307.039.

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, 55.056, 307.039

Protanopia
38, 54.711, 286.846

Deuteranopia
38, 41.629, 277.627



Tritanopia
38, 4.322, 285.439

Trichromacy



Original Color
38, 55.056, 307.039

Protanomaly
38, 54.537, 292.287

Deuteranomaly
37, 46.231, 288.746

Tritanomaly
38, 23.222, 302.794

Monochromacy



Original Color
38, 55.056, 307.039

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 20.846, 304.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.056, 307.039 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(102, 72, 161)` looks like.

```
.text, #text, p{  
    color:rgb(102, 72, 161)  
}
```

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(102, 72, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 72, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.056, 307.039 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(102, 72, 161) }
```

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

```
.border{ border-color:rgb(102, 72, 161) }
```

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

Here you see how a box with a 4 pixel rgb(102, 72, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 72, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 72, 161);  
box-shadow:4px 4px 4px 4px rgb(102, 72,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.056, 307.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 72, 161) }
```

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

```
.background{ background-color: rgb(102, 72,  
161) }
```

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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