

Converting Colors

CIELCh(38, 44.887, 305.939)

Have a look what the booklet for
CIELCh(38, 44.887, 305.939)
contains.

CIELCh(38, 44.815, 305.914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 44.815, 305.914)

Conversions

Conversions Part 1

Format	Color
Hex	644D95
RGB	100, 77, 149
RGB Percent	39%, 30%, 58%
CMY	0.6096, 0.6997, 0.4175
CMYK	0.33, 0.48, 0.00, 0.42
HSL	259°, 32%, 44%
HSV	259°, 48%, 58%
XYZ	13.2178, 10.0881, 29.4892
YIQ	92.0850, -9.4040, 27.2680

Conversions

Conversions Part 2

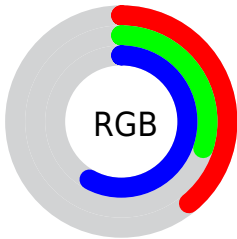
Format	Color
R_{YB}	100, 77, 149
Decimal	6573461
CIE _{Lab}	38.00, 26.29, -36.30
CIE _{LCh}	38, 44.815, 305.914
Yxy	10.0881, 0.2504, 0.1911
Android (android.graphics.Color)	4284763541 (0xFF644D95)
YUV	92.0850, 28.0591, 6.9415
Hunter-Lab	31.7617, 18.7006, -32.8148

Details

The CIELCh color $38, 44.815, 305.914$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 40.547, 119.917$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $58, 45.345, 306.008$, and $18, 44.913, 305.731$ is the 20% darker color. If you saturate the color by 10%, you get $33, 54.593, 306.770$, and if you desaturate by 10%, it is $43, 35.083, 305.083$.

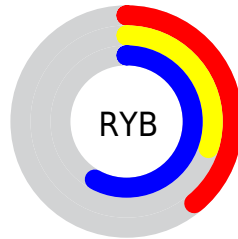
Distribution



Red (39%)

Green (30%)

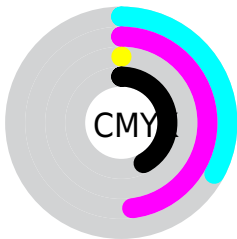
Blue (58%)



Red (39%)

Yellow (30%)

Blue (58%)

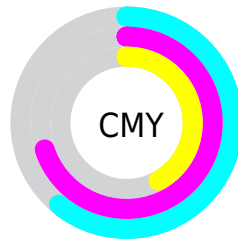


Cyan (33%)

Magenta (48%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (70%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 44.815, 305.914 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, 44.815, 305.914 by changing the saturation by 10% instead.

 38, 44.815,
305.914

 38, 44.815,
305.914

 100, 44.815,
305.914


 28, 44.815,
305.914

 58, 44.815,
305.914

 18, 44.815,
305.914

 68, 44.815,
305.914

 8, 44.815, 305.914

 78, 44.815,
305.914

 0, 44.815, 305.914

 88, 44.815,
305.914

 98, 44.815,
305.914

■ 38, 44.815,
305.914

■ 38, 44.815,
305.914

■ 33, 54.593,
306.770

■ 43, 35.083,
305.083

■ 29, 64.124,
307.587

■ 48, 25.554,
304.310

■ 25, 72.892,
308.262

■ 53, 16.295,
303.609

■ 22, 80.133,
308.645

■ 57, 7.335, 302.982

■ 19, 85.474,
308.712

■ 62, 1.324, 122.472

■ 19, 86.315,
308.747

■ 67, 9.689, 121.963

■ 72, 17.773,
121.542

■ 77, 25.590,
121.179

■ 82, 33.157,
120.866

Harmonies

Complementary

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



38, 44.815, 305.914



58, 40.547, 119.917

Rectangle

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



38, 44.815, 305.914



38, 44.815, 355.914



38, 44.815, 125.914



38, 44.815, 175.914

Sweetspot

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



38, 44.814, 305.914



69, 16.380, 303.405



50, 20.159, 239.927



35, 11.178, 303.528



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



38, 44.814, 305.914



44, 67.339, 306.834



42, 47.236, 321.344



29, 4.898, 303.028



17, 81.614, 308.813



0, 4.223, 302.518

Inverse Universe

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



43, 39.450, 338.823



52, 57.209, 339.892



56, 46.463, 136.514



29, 4.616, 335.657



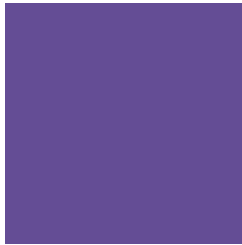
30, 57.954, 345.753



1, 4.007, 335.068

Previews

White Background



This preview shows how the CIELCh color 38, 44.815, 305.914 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, 44.815, 305.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

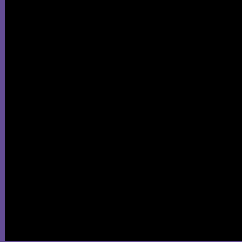
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 44.815, 305.914

Background



This preview shows how black text looks on a background with the CIELCh color 38, 44.815, 305.914.



This preview shows how white text looks on a background with the CIELCh color 38, 44.815, 305.914.

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, 44.815, 305.914

Protanopia

38, 44.386, 286.388

Deuteranopia

38, 35.123, 279.318



Tritanopia
38, 4.310, 290.869

Trichromacy



Original Color
38, 44.815, 305.914

Protanomaly
38, 44.207, 292.694

Deuteranomaly
38, 38.162, 289.690

Tritanomaly
38, 19.511, 303.163

Monochromacy



Original Color
38, 44.815, 305.914

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 17.042, 304.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 44.815, 305.914 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(100, 77, 149)` looks like.

```
.text, #text, p{  
    color:rgb(100, 77, 149)  
}
```

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(100, 77, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 77, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 44.815, 305.914 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(100, 77, 149) }
```

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

```
.border{ border-color:rgb(100, 77, 149) }
```

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

Here you see how a box with a 4 pixel rgb(100, 77, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 77, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 77, 149);  
box-shadow:4px 4px 4px 4px rgb(100, 77,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 44.815, 305.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 77, 149) }
```

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

```
.background{ background-color: rgb(100, 77,  
149) }
```

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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