

Converting Colors

CIELCh(30, 118.985, 307.654)

Have a look what the booklet for
CIELCh(30, 118.985, 307.654)
contains.

CIELCh(30, 118.853, 307.637)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(30, 118.853, 307.637)

Conversions

Conversions Part 1

Format	Color
Hex	3800E0
RGB	56, 0, 224
RGB Percent	22%, 0%, 88%
CMY	0.7797, 0.9994, 0.1212
CMYK	0.75, 1.00, 0.00, 0.12
HSL	255°, 100%, 44%
HSV	255°, 100%, 88%
XYZ	15.1090, 6.2359, 70.9968
YIQ	42.2800, -38.5280, 81.5360

Conversions

Conversions Part 2

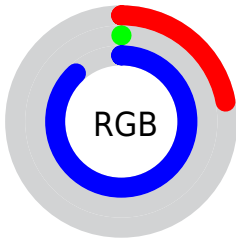
Format	Color
RYB	56, 0, 224
Decimal	3670240
CIELab	30.00, 72.58, -94.12
CIELCh	30, 118.853, 307.637
Yxy	6.2359, 0.1636, 0.0675
Android (android.graphics.Color)	4281860320 (0xFF3800E0)
YUV	42.2800, 89.5880, 12.0324
Hunter-Lab	24.9718, 64.2994, -151.0860

Details

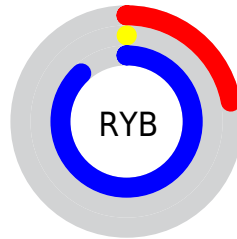
The CIELCh color **30, 118.853, 307.637** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **83, 91.436, 117.536**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 104.999, 308.307**, and **19, 97.469, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 118.890, 307.639**, and if you desaturate by 10%, it is **33, 113.138, 307.637**.

Distribution



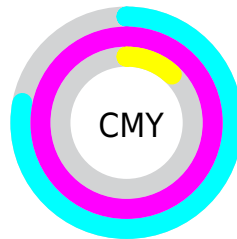
- Red (22%)
- Green (0%)
- Blue (88%)



- Red (22%)
- Yellow (0%)
- Blue (88%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)





- Cyan (78%)
- Magenta (100%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 118.853, 307.637 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 30, 118.853, 307.637 by changing the saturation by 10% instead.


 30, 118.853,
307.637


 30, 118.853,
307.637


 100, 118.853,
307.637


 20, 118.853,
307.637


 50, 118.853,
307.637


 10, 118.853,
307.637

 60, 118.853,
307.637

 0, 118.853,
307.637

 70, 118.853,
307.637

 80, 118.853,
307.637

 90, 118.853,
307.637

■ 30, 118.853,
307.637

■ 30, 118.853,
307.637

■ 30, 118.890,
307.639

■ 33, 113.138,
307.637

■ 37, 103.864,
307.168

■ 42, 91.855,
306.309

■ 48, 78.474,
305.262

■ 55, 64.656,
304.172

■ 61, 50.916,
303.127

■ 68, 37.504,
302.169

■ 75, 24.521,

301.314

■ 82, 11.997,
300.561

Harmonies

Complementary

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



30, 118.853, 307.637



83, 91.436, 117.536

Rectangle

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



30, 118.853, 307.637



30, 118.853, 357.637



30, 118.853, 127.637



30, 118.853, 177.637

Sweetspot

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



30, 118.855, 307.638



77, 41.762, 302.195



65, 41.632, 246.862



38, 28.709, 302.591



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 118.855, 307.638



35, 131.184, 307.583



44, 107.695, 318.890



43, 6.860, 300.527



23, 99.058, 307.765



3, 32.146, 301.895

Inverse Universe

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



50, 86.375, 341.569



57, 95.114, 341.703



79, 105.909, 134.117



44, 6.848, 332.929



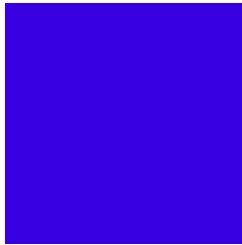
39, 72.299, 341.309



7, 30.345, 338.695

Previews

White Background



This preview shows how the CIE LCh color 30, 118.853, 307.637 looks on a white background.

Color Contrast Check

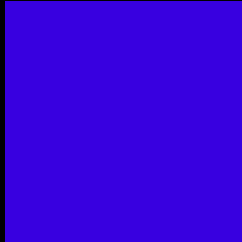
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 118.853, 307.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

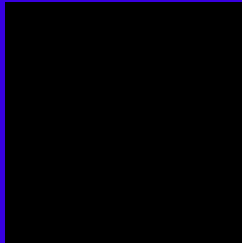
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 118.853, 307.637

Background



This preview shows how black text looks on a background with the CIELCh color 30, 118.853, 307.637.



This preview shows how white text looks on a background with the CIELCh color 30, 118.853, 307.637.

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

30, 118.853, 307.637

Protanopia

31, 48.718, 285.130

Deuteranopia

30, 33.842, 270.906



Tritanopia
30, 21.063, 203.604

Trichromacy



Original Color
30, 118.853, 307.637

Protanomaly
27, 81.262, 300.768

Deuteranomaly
26, 72.244, 299.147

Tritanomaly
25, 54.877, 294.389

Monochromacy



Original Color
30, 118.853, 307.637

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 54.269, 306.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 118.853, 307.637 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(56, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(56, 0, 224)  
}
```

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(56, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 0, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 118.853, 307.637 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(56, 0, 224) }
```

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

```
.border{ border-color:rgb(56, 0, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 0, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(56, 0, 224)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 118.853, 307.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 0, 224) }
```

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

```
.background{ background-color: rgb(56, 0,  
224) }
```

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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