

Converting Colors

CIELCh(30, 116.450, 307.081)

Have a look what the booklet for
CIELCh(30, 116.450, 307.081)
contains.

CIELCh(30, 116.408, 307.063)	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, 116.408, 307.063)

Conversions

Conversions Part 1

Format	Color
Hex	340BDE
RGB	52, 11, 222
RGB Percent	20%, 4%, 87%
CMY	0.7964, 0.9573, 0.1296
CMYK	0.77, 0.95, 0.00, 0.13
HSL	252°, 91%, 46%
HSV	252°, 95%, 87%
XYZ	14.7076, 6.2359, 69.4985
YIQ	47.3130, -43.2950, 74.3130

Conversions

Conversions Part 2

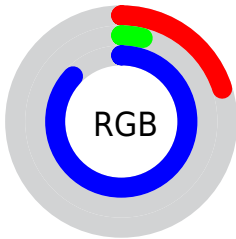
Format	Color
R _{YB}	52, 11, 222
Decimal	3410910
CIE Lab	30.00, 70.16, -92.89
CIE LCh	30, 116.408, 307.063
Yxy	6.2359, 0.1626, 0.0689
Android (android.graphics.Color)	4281600990 (0xFF340BDE)
YUV	47.3130, 86.1207, 4.1105
Hunter-Lab	24.9718, 61.4302, -147.5287

Details

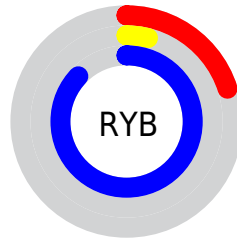
The CIELCh color **30, 116.408, 307.063** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **83, 88.377, 114.168**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 103.629, 307.612**, and **19, 96.606, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 118.899, 307.134**, and if you desaturate by 10%, it is **33, 108.998, 306.668**.

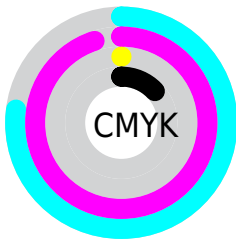
Distribution



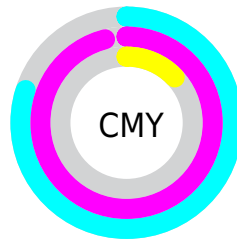
- Red (20%)
- Green (4%)
- Blue (87%)



- Red (20%)
- Yellow (4%)
- Blue (87%)



- Cyan (77%)
- Magenta (95%)
- Yellow (0%)
- Black (13%)





- Cyan (80%)
- Magenta (96%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 116.408, 307.063 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, 116.408, 307.063 by changing the saturation by 10% instead.


 30, 116.408,
307.063


 30, 116.408,
307.063


 100, 116.408,
307.063


 20, 116.408,
307.063


 50, 116.408,
307.063


 10, 116.408,
307.063

 60, 116.408,
307.063

 0, 116.408,
307.063

 70, 116.408,
307.063

 80, 116.408,
307.063

 90, 116.408,
307.063

■ 30, 116.408,
307.063

■ 30, 116.408,
307.063

■ 29, 118.899,
307.134

■ 33, 108.998,
306.668

■ 38, 98.008,
305.752

■ 44, 85.007,
304.548

■ 50, 71.234,
303.255

■ 57, 57.408,
302.000

■ 64, 43.876,
300.845

■ 71, 30.779,
299.815

■ 78, 18.159,

298.913

■ 85, 6.016, 298.130

Harmonies

Complementary

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



30, 116.408, 307.063



83, 88.377, 114.168

Rectangle

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



30, 116.408, 307.063



30, 116.408, 357.063



30, 116.408, 127.063



30, 116.408, 177.063

Sweetspot

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



30, 116.410, 307.064



77, 40.132, 300.225



69, 38.999, 230.667



38, 27.764, 300.675



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, 116.410, 307.064



34, 132.142, 307.085



42, 106.698, 317.049



43, 6.821, 298.458



22, 99.816, 307.235



3, 31.997, 300.512

Inverse Universe

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



51, 89.055, 337.433



58, 99.093, 338.048



78, 102.004, 132.616



44, 7.125, 330.890



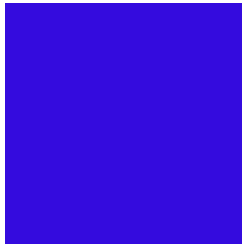
40, 75.272, 337.774



7, 31.498, 335.928

Previews

White Background



This preview shows how the CIELCh color 30, 116.408, 307.063 looks on a white background.

Color Contrast Check

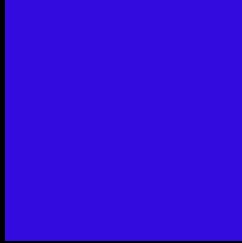
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.408, 307.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

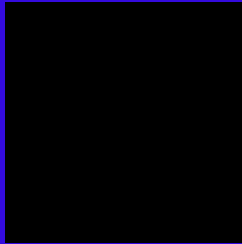
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 116.408, 307.063

Background



This preview shows how black text looks on a background with the CIELCh color 30, 116.408, 307.063.



This preview shows how white text looks on a background with the CIELCh color 30, 116.408, 307.063.

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, 116.408, 307.063

Protanopia

30, 48.198, 285.098

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 116.408, 307.063

Protanomaly
27, 78.314, 299.834

Deuteranomaly
26, 69.134, 297.953

Tritanomaly
25, 52.183, 292.598

Monochromacy



Original Color
30, 116.408, 307.063

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 51.455, 304.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 116.408, 307.063 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(52, 11, 222)` looks like.

```
.text, #text, p{  
    color:rgb(52, 11, 222)  
}
```

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(52, 11, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 11, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 116.408, 307.063 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(52, 11, 222) }
```

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

```
.border{ border-color:rgb(52, 11, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 11, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 11, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 11, 222);  
box-shadow:4px 4px 4px 4px rgb(52, 11,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 116.408, 307.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 11, 222) }
```

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

```
.background{ background-color: rgb(52, 11,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor