

Converting Colors

CIELCh(34, 101.860, 309.084)

Have a look what the booklet for
CIELCh(34, 101.860, 309.084)
contains.

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Color

CIELCh(34, 102.022, 309.054)

Conversions

Conversions Part 1

Format	Color
Hex	5D20D2
RGB	93, 32, 210
RGB Percent	36%, 13%, 82%
CMY	0.6354, 0.8747, 0.1766
CMYK	0.56, 0.85, 0.00, 0.18
HSL	261°, 74%, 47%
HSV	261°, 85%, 82%
XYZ	16.6554, 8.0082, 61.6214
YIQ	70.5310, -20.7820, 68.2900

Conversions

Conversions Part 2

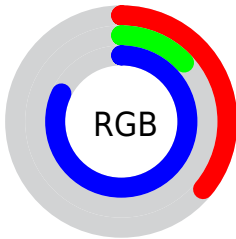
Format	Color
R _Y B	93, 32, 210
Decimal	6103250
CIE Lab	34.00, 64.28, -79.23
CIE LCh	34, 102.022, 309.054
Yxy	8.0082, 0.1930, 0.0928
Android (android.graphics.Color)	4284293330 (0xFF5D20D2)
YUV	70.5310, 68.7582, 19.7053
Hunter-Lab	28.2988, 55.5342, -109.2963

Details

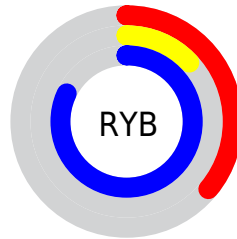
The CIELCh color **34, 102.022, 309.054** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **78, 84.034, 120.634**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 95.517, 309.752**, and **17, 91.827, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 108.838, 308.985**, and if you desaturate by 10%, it is **38, 92.170, 308.681**.

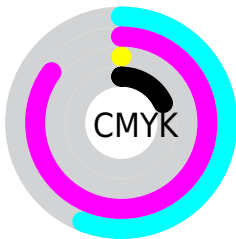
Distribution



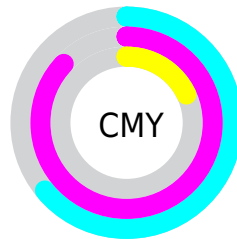
- Red (36%)
- Green (13%)
- Blue (82%)



- Red (36%)
- Yellow (13%)
- Blue (82%)



- Cyan (56%)
- Magenta (85%)
- Yellow (0%)
- Black (18%)





- Cyan (64%)
- Magenta (87%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 102.022, 309.054 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 34, 102.022, 309.054 by changing the saturation by 10% instead.


 34, 102.022,
309.054


 34, 102.022,
309.054


 100, 102.022,
309.054


 24, 102.022,
309.054


 54, 102.022,
309.054


 14, 102.022,
309.054


 64, 102.022,
309.054

 4, 102.022,
309.054

 74, 102.022,
309.054

 0, 102.022,
309.054

 84, 102.022,
309.054

 94, 102.022,
309.054

■ 34, 102.022,
309.054

■ 34, 102.022,
309.054

■ 31, 108.838,
308.985

■ 38, 92.170,
308.681

■ 29, 111.419,
308.841

■ 44, 80.422,
308.028

■ 49, 67.760,
307.243

■ 56, 54.830,
306.426

■ 62, 41.999,
305.635

■ 68, 29.452,
304.901

■ 75, 17.273,
304.237

■ 81, 5.494, 303.641

Harmonies

Complementary

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



34, 102.022, 309.054



78, 84.034, 120.634

Rectangle

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



34, 102.022, 309.054



34, 102.022, 359.054



34, 102.022, 129.054



34, 102.022, 179.054

Sweetspot

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



34, 102.023, 309.055



81, 34.820, 304.936



59, 40.491, 255.057



41, 23.893, 305.191



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



34, 102.023, 309.055



36, 129.178, 308.733



46, 96.218, 322.346



41, 6.551, 303.910



23, 94.324, 308.993



2, 26.088, 302.071

Inverse Universe

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



48, 75.799, 345.073



56, 89.624, 348.695



74, 96.127, 134.861



41, 6.048, 336.699



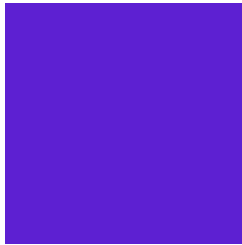
37, 65.992, 347.968



5, 23.950, 343.514

Previews

White Background



This preview shows how the CIELCh color 34, 102.022, 309.054 looks on a white background.

Color Contrast Check

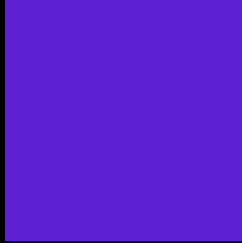
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 102.022, 309.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

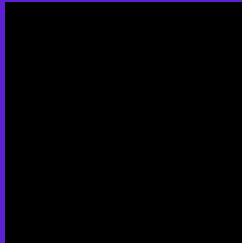
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 102.022, 309.054

Background



This preview shows how black text looks on a background with the CIELCh color 34, 102.022, 309.054.



This preview shows how white text looks on a background with the CIELCh color 34, 102.022, 309.054.

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

34, 102.022, 309.054

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 37.048, 271.472



Tritanopia
34, 13.172, 214.520

Trichromacy



Original Color

34, 102.022, 309.054



Protanomaly

32, 74.096, 297.856



Deuteranomaly

31, 63.496, 295.125



Tritanomaly

31, 43.683, 297.351

Monochromacy



Original Color

34, 102.022, 309.054



Achromatopsia

30, 0.005, 296.813



Achromatomaly

29, 42.244, 306.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 102.022, 309.054 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(93, 32, 210)` looks like.

```
.text, #text, p{  
    color:rgb(93, 32, 210)  
}
```

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(93, 32, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 32, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 102.022, 309.054 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(93, 32, 210) }
```

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

```
.border{ border-color:rgb(93, 32, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 32, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 32, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 32, 210);  
box-shadow:4px 4px 4px 4px rgb(93, 32,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 102.022, 309.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 32, 210) }
```

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

```
.background{ background-color: rgb(93, 32,  
210) }
```

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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