

Converting Colors

CIELCh(51, 115.604, 318.138)

Have a look what the booklet for
CIELCh(51, 115.604, 318.138)
contains.

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Color

CIELCh(51, 115.051, 318.229)

Conversions

Conversions Part 1

Format	Color
Hex	BE20FF
RGB	190, 32, 255
RGB Percent	75%, 13%, 100%
CMY	0.2532, 0.8755, 0.0000
CMYK	0.25, 0.88, 0.00, 0.00
HSL	283°, 100%, 56%
HSV	283°, 88%, 100%
XYZ	39.9697, 19.2686, 96.5723
YIQ	104.6640, 22.5850, 102.8490

Conversions

Conversions Part 2

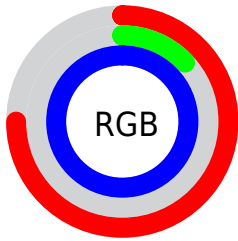
Format	Color
R _Y B	190, 32, 255
Decimal	12460287
CIE Lab	51.00, 85.81, -76.64
CIE LCh	51, 115.051, 318.229
Yxy	19.2686, 0.2565, 0.1237
Android (android.graphics.Color)	4290650367 (0xFFBE20FF)
YUV	104.6640, 74.1156, 74.8397
Hunter-Lab	43.8960, 85.7157, -99.7122

Details

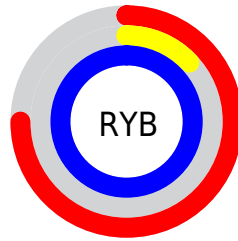
The CIELCh color **51, 115.051, 318.229** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **89, 110.661, 132.743**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.662, 326.634**, and **35, 99.493, 315.932** is the 20% darker color. If you saturate the color by 10%, you get **49, 118.920, 317.690**, and if you desaturate by 10%, it is **54, 107.540, 318.551**.

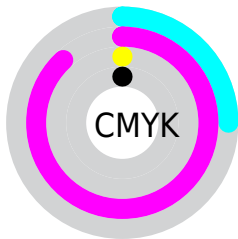
Distribution



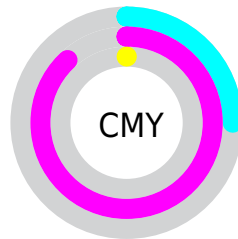
- Red (75%)
- Green (13%)
- Blue (100%)



- Red (75%)
- Yellow (13%)
- Blue (100%)



- Cyan (25%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (88%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 115.051, 318.229 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 51, 115.051, 318.229 by changing the saturation by 10% instead.


 51, 115.051,
318.229


 51, 115.051,
318.229


 100, 115.051,
318.229


 41, 115.051,
318.229


 71, 115.051,
318.229


 31, 115.051,
318.229


 81, 115.051,
318.229

 21, 115.051,
318.229

 91, 115.051,
318.229

 11, 115.051,
318.229

 1, 115.051,
318.229

 0, 115.051,
318.229

■ 51, 115.051,
318.229

■ 51, 115.051,
318.229

■ 49, 118.920,
317.690

■ 54, 107.540,
318.551

■ 48, 119.636,
317.525

■ 58, 97.254,
318.570

■ 63, 84.750,
318.393

■ 69, 70.803,
318.084

■ 75, 56.059,
317.695

■ 82, 40.992,
317.265

■ 88, 25.919,
316.820

■ 95, 11.042,

316.373

100, 0.012,
296.813

Harmonies

Complementary

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



51, 115.051, 318.229



89, 110.661, 132.743

Rectangle

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



51, 115.051, 318.229



51, 115.051, 8.229



51, 115.051, 138.229



51, 115.051, 188.229

Sweetspot

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



51, 114.873, 318.272



83, 38.648, 317.196



47, 91.109, 294.828



42, 26.249, 317.349



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 114.873, 318.272



48, 119.636, 317.525



59, 97.392, 337.043



50, 8.330, 316.461



36, 96.272, 317.685



8, 44.019, 318.822

Inverse Universe

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



55, 82.918, 16.500



54, 88.805, 23.323



88, 106.225, 140.196



50, 5.636, 357.568



40, 71.065, 22.232



10, 31.507, 13.493

Previews

White Background



This preview shows how the CIELCh color 51, 115.051, 318.229 looks on a white background.

Color Contrast Check

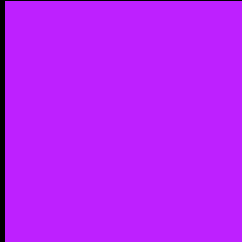
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 115.051, 318.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

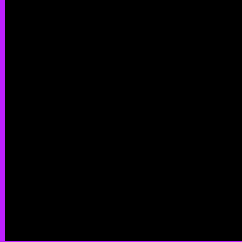
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 115.051, 318.229

Background



This preview shows how black text looks on a background with the CIELCh color 51, 115.051, 318.229.



This preview shows how white text looks on a background with the CIELCh color 51, 115.051, 318.229.

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

51, 114.848, 318.205

Protanopia

51, 76.203, 287.570

Deuteranopia

51, 55.290, 276.330



Tritanopia
51, 27.941, 14.892

Trichromacy



Original Color
51, 114.848, 318.205



Protanomaly
45, 96.229, 299.555



Deuteranomaly
45, 82.504, 297.364



Tritanomaly
48, 58.432, 331.601

Monochromacy



Original Color
51, 114.848, 318.205



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 52.135, 318.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 115.051, 318.229 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(190, 32, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 32, 255)  
}
```

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(190, 32, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 32, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 115.051, 318.229 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(190, 32, 255) }
```

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

```
.border{ border-color:rgb(190, 32, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 32, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 32, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 32, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 32,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 115.051, 318.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 32, 255) }
```

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

```
.background{ background-color: rgb(190, 32,  
255) }
```

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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