

Converting Colors

CIELCh(51, 105.626, 325.594)

Have a look what the booklet for
CIELCh(51, 105.626, 325.594)
contains.

CIELCh(51, 105.814, 325.601)	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(51, 105.814, 325.601)

Conversions

Conversions Part 1

Format	Color
Hex	D300E2
RGB	211, 0, 226
RGB Percent	83%, 0%, 89%
CMY	0.1738, 1.0000, 0.1149
CMYK	0.07, 1.00, 0.00, 0.11
HSL	296°, 100%, 44%
HSV	296°, 100%, 89%
XYZ	40.4527, 19.2686, 73.3153
YIQ	88.8530, 53.2100, 115.0180

Conversions

Conversions Part 2

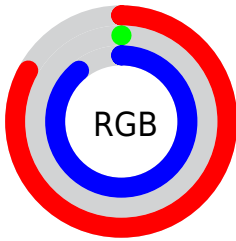
Format	Color
R_{YB}	211, 0, 226
Decimal	13828322
CIE _{Lab}	51.00, 87.31, -59.78
CIE _{LCh}	51, 105.814, 325.601
Yxy	19.2686, 0.3041, 0.1448
Android (android.graphics.Color)	4292018402 (0xFFD300E2)
YUV	88.8530, 67.6135, 107.1229
Hunter-Lab	43.8960, 87.6800, -68.2991

Details

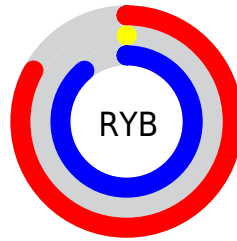
The CIELCh color **51, 105.814, 325.601** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **79, 108.881, 135.791**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.125, 327.551**, and **37, 85.959, 323.938** is the 20% darker color. If you saturate the color by 10%, you get **51, 105.790, 325.600**, and if you desaturate by 10%, it is **52, 103.461, 325.735**.

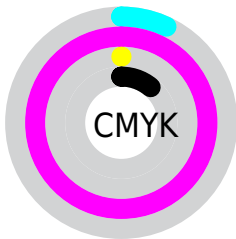
Distribution



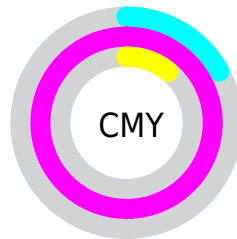
- Red (83%)
- Green (0%)
- Blue (89%)



- Red (83%)
- Yellow (0%)
- Blue (89%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (17%)
- Magenta (100%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 105.814, 325.601 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, 105.814, 325.601 by changing the saturation by 10% instead.


 51, 105.814,
325.601


 51, 105.814,
325.601


 100, 105.814,
325.601


 41, 105.814,
325.601


 71, 105.814,
325.601


 31, 105.814,
325.601


 81, 105.814,
325.601

 21, 105.814,
325.601

 91, 105.814,
325.601

 11, 105.814,
325.601

 1, 105.814,
325.601

 0, 105.814,
325.601

■ 51, 105.814,
325.601

■ 51, 105.814,
325.601

■ 51, 105.790,
325.600

■ 52, 103.461,
325.735

■ 54, 98.721,
325.748

■ 56, 91.246,
325.625

■ 59, 81.352,
325.380

■ 63, 69.573,
325.035

■ 68, 56.493,
324.617

■ 73, 42.636,
324.149

■ 78, 28.417,

323.650

■ 84, 14.139,
323.134

Harmonies

Complementary

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



51, 105.814, 325.601



79, 108.881, 135.791

Rectangle

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



51, 105.814, 325.601



51, 105.814, 15.601



51, 105.814, 145.601



51, 105.814, 195.601

Sweetspot

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



51, 105.790, 325.600



82, 47.071, 324.158



29, 119.158, 305.633



41, 32.057, 324.362



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, 105.790, 325.600



57, 116.021, 325.582



49, 78.477, 356.333



44, 7.988, 323.104



40, 87.823, 325.642



7, 35.863, 325.995

Inverse Universe

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



47, 92.682, 37.863



53, 101.942, 38.094



79, 87.282, 145.723



44, 4.739, 14.555



36, 76.360, 37.254



6, 25.398, 18.140

Previews

White Background



This preview shows how the CIELCh color 51, 105.814, 325.601 looks on a white background.

Color Contrast Check

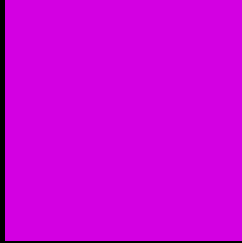
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.814, 325.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

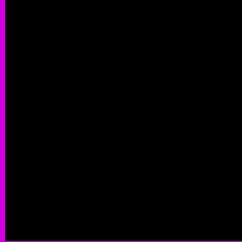
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 105.814, 325.601

Background



This preview shows how black text looks on a background with the CIELCh color 51, 105.814, 325.601.



This preview shows how white text looks on a background with the CIELCh color 51, 105.814, 325.601.

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, 105.898, 325.605

Protanopia

52, 76.598, 287.394

Deuteranopia

52, 52.230, 279.064



Tritanopia
51, 46.320, 21.978

Trichromacy



Original Color
51, 105.898, 325.605



Protanomaly
43, 97.260, 301.732



Deuteranomaly
44, 81.355, 305.211



Tritanomaly
49, 65.404, 346.504

Monochromacy



Original Color
51, 105.898, 325.605



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 54.346, 325.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 105.814, 325.601 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(211, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 226)  
}
```

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(211, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 105.814, 325.601 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(211, 0, 226) }
```

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

```
.border{ border-color:rgb(211, 0, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(211, 0,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 105.814, 325.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 226) }
```

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

```
.background{ background-color: rgb(211, 0,  
226) }
```

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