

Converting Colors

CIELCh(58, 115.989, 325.720)

Have a look what the booklet for
CIELCh(58, 115.989, 325.720)
contains.

CIELCh(58, 115.535, 325.864)	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(58, 115.535, 325.864)

Conversions

Conversions Part 1

Format	Color
Hex	F007FF
RGB	240, 7, 255
RGB Percent	94%, 3%, 100%
CMY	0.0578, 0.9717, 0.0000
CMYK	0.06, 0.97, 0.00, 0.00
HSL	296°, 100%, 51%
HSV	296°, 97%, 100%
XYZ	54.1876, 25.9610, 96.9659
YIQ	104.9390, 59.2600, 126.5240

Conversions

Conversions Part 2

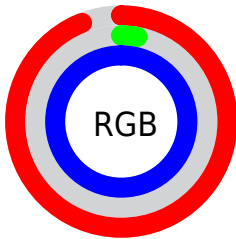
Format	Color
RYB	240, 7, 255
Decimal	15730687
CIELab	58.00, 95.63, -64.83
CIELCh	58, 115.535, 325.864
Yxy	25.9610, 0.3059, 0.1466
Android (android.graphics.Color)	4293920767 (0xFFFF007FF)
YUV	104.9390, 73.9801, 118.4485
Hunter-Lab	50.9519, 100.6696, -77.1676

Details

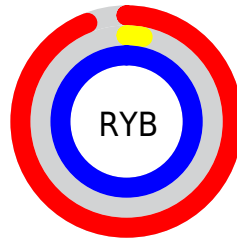
The CIELCh color **58, 115.535, 325.864** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 118.859, 135.883**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.498, 327.438**, and **44, 95.730, 324.667** is the 20% darker color. If you saturate the color by 10%, you get **58, 115.958, 325.858**, and if you desaturate by 10%, it is **59, 112.533, 325.999**.

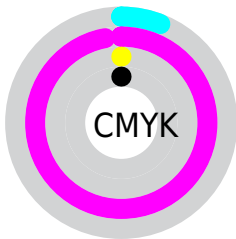
Distribution



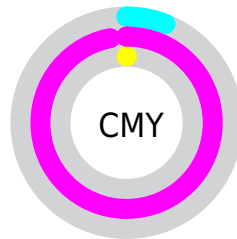
- Red (94%)
- Green (3%)
- Blue (100%)



- Red (94%)
- Yellow (3%)
- Blue (100%)



- Cyan (6%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (97%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 115.535, 325.864 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 58, 115.535, 325.864 by changing the saturation by 10% instead.


 58, 115.535,
325.864


 58, 115.535,
325.864


 100, 115.535,
325.864


 48, 115.535,
325.864


 78, 115.535,
325.864


 38, 115.535,
325.864


 88, 115.535,
325.864

 28, 115.535,
325.864

 98, 115.535,
325.864

 18, 115.535,
325.864

 8, 115.535,
325.864

 0, 115.535,
325.864

■ 58, 115.535,
325.864

■ 58, 115.535,
325.864

■ 58, 115.958,
325.858

■ 59, 112.533,
325.999

■ 61, 106.639,
325.966

■ 64, 97.755,
325.801

■ 68, 86.301,
325.521

■ 72, 72.896,
325.148

■ 78, 58.184,
324.708

■ 83, 42.727,
324.222

■ 89, 26.958,

323.711

■ 95, 11.190,
323.181

Harmonies

Complementary

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



58, 115.535, 325.864



88, 118.859, 135.883

Rectangle

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



58, 115.535, 325.864



58, 115.535, 15.864



58, 115.535, 145.864



58, 115.535, 195.864

Sweetspot

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



58, 115.442, 325.899



82, 45.596, 324.314



34, 129.299, 305.421



41, 31.236, 324.523



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 115.442, 325.899



58, 115.958, 325.858



56, 85.873, 355.609



50, 8.892, 323.308



43, 93.391, 325.898



11, 42.942, 326.175

Inverse Universe

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



53, 100.631, 37.544



53, 102.261, 38.335



88, 94.474, 146.179



50, 5.262, 15.131



40, 81.756, 37.756



10, 32.892, 24.782

Previews

White Background



This preview shows how the CIELCh color 58, 115.535, 325.864 looks on a white background.

Color Contrast Check

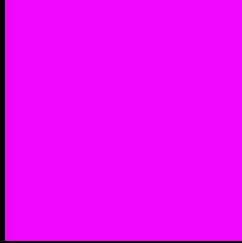
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 58, 115.535, 325.864 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 58, 115.535, 325.864

Background



This preview shows how black text looks on a background with the CIELCh color 58, 115.535, 325.864.



This preview shows how white text looks on a background with the CIELCh color 58, 115.535, 325.864.

325.864.

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

58, 115.465, 325.861

Protanopia

58, 67.670, 286.721

Deuteranopia

58, 57.318, 279.455



Tritanopia
58, 52.534, 22.266

Trichromacy



Original Color
58, 115.465, 325.861



Protanomaly
51, 94.795, 306.785



Deuteranomaly
51, 88.094, 305.368



Tritanomaly
55, 71.652, 347.442

Monochromacy



Original Color
58, 115.465, 325.861



Achromatopsia
44, 0.006, 296.813



Achromatomaly
44, 59.058, 325.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 115.535, 325.864 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(240, 7, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 7, 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(240, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 7, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 115.535, 325.864 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(240, 7, 255) }
```

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

```
.border{ border-color:rgb(240, 7, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 7,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 115.535, 325.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 7, 255) }
```

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

```
.background{ background-color: rgb(240, 7,  
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](#).

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