

Converting Colors

CIELCh(58, 89.036, 326.096)

Have a look what the booklet for
CIELCh(58, 89.036, 326.096)
contains.

CIELCh(58, 89.006, 326.000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 89.006, 326.000)

Conversions

Conversions Part 1

Format	Color
Hex	DC4CE4
RGB	220, 76, 228
RGB Percent	86%, 30%, 89%
CMY	0.1375, 0.7022, 0.1062
CMYK	0.04, 0.67, 0.00, 0.11
HSL	297°, 74%, 60%
HSV	297°, 67%, 89%
XYZ	46.0673, 25.9610, 75.9312
YIQ	136.3840, 37.0320, 77.8000

Conversions

Conversions Part 2

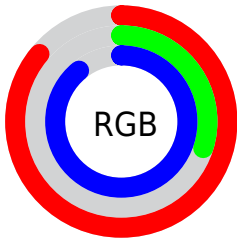
Format	Color
R _{YB}	220, 76, 228
Decimal	14437604
CIE _{Lab}	58.00, 73.79, -49.77
CIE _{LCh}	58, 89.006, 326.000
Y _{xy}	25.9610, 0.3114, 0.1755
Android (android.graphics.Color)	4292627684 (0xFFDC4CE4)
Y _{UV}	136.3840, 45.1667, 73.3312
Hunter-Lab	50.9519, 72.2219, -52.6907

Details

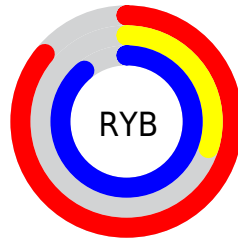
The CIELCh color **58, 89.006, 326.000** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **81, 89.806, 137.632**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 73.575, 326.930**, and **39, 86.341, 325.745** is the 20% darker color. If you saturate the color by 10%, you get **55, 97.317, 326.185**, and if you desaturate by 10%, it is **62, 78.394, 325.706**.

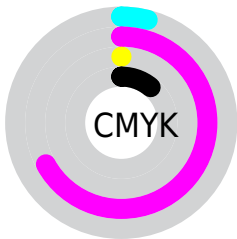
Distribution



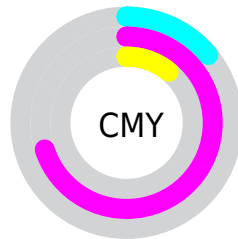
- Red (86%)
- Green (30%)
- Blue (89%)



- Red (86%)
- Yellow (30%)
- Blue (89%)



- Cyan (4%)
- Magenta (67%)
- Yellow (0%)
- Black (11%)




- Cyan (14%)
- Magenta (70%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 89.006, 326.000 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, 89.006, 326.000 by changing the saturation by 10% instead.

 58, 89.006,
326.000


 58, 89.006,
326.000

 100, 89.006,
326.000


 48, 89.006,
326.000


 78, 89.006,
326.000

 38, 89.006,
326.000

 88, 89.006,
326.000

 28, 89.006,
326.000

 98, 89.006,
326.000

 18, 89.006,
326.000

 8, 89.006, 326.000

 0, 89.006, 326.000

58, 89.006,
326.000

58, 89.006,
326.000

55, 97.317,
326.185

62, 78.394,
325.706

53, 102.940,
326.246

66, 66.051,
325.324

52, 105.841,
326.179

70, 52.551,
324.878

52, 106.470,
326.142


76, 38.394,
324.390

81, 23.968,
323.876

87, 9.550, 323.343

93, 4.674, 142.919

98, 16.575,
142.282

 98, 16.340,
141.081

Harmonies

Complementary

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



58, 89.006, 326.000



81, 89.806, 137.632

Rectangle

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



58, 89.006, 326.000



58, 89.006, 16.000



58, 89.006, 146.000



58, 89.006, 196.000

Sweetspot

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



58, 89.004, 326.000



88, 31.500, 324.055



44, 83.699, 298.954



45, 21.502, 324.200



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, 89.004, 326.000



61, 108.624, 326.223



56, 67.794, 347.651



45, 8.172, 323.494



41, 88.676, 326.175



8, 37.190, 326.488

Inverse Universe

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



54, 65.766, 25.930



56, 86.491, 31.072



81, 66.389, 152.497



45, 4.822, 15.677



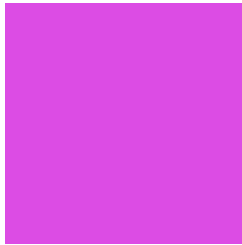
37, 77.755, 37.844



6, 26.939, 19.588

Previews

White Background



This preview shows how the CIELCh color 58, 89.006, 326.000 looks on a white background.

Color Contrast Check

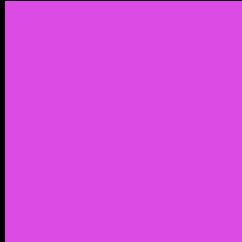
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.006, 326.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

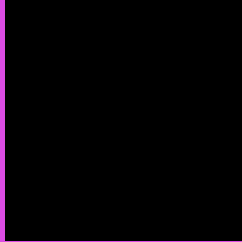
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 89.006, 326.000

Background



This preview shows how black text looks on a background with the CIELCh color 58, 89.006, 326.000.

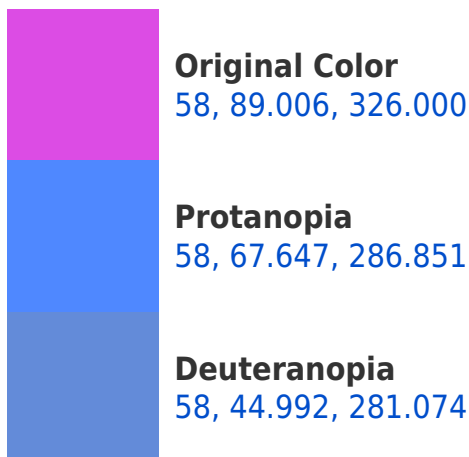


This preview shows how white text looks on a background with the CIELCh color 58, 89.006, 326.000.

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](#).

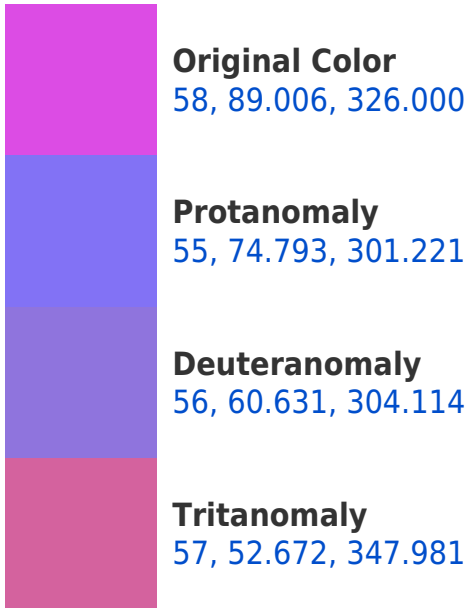
Dichromacy



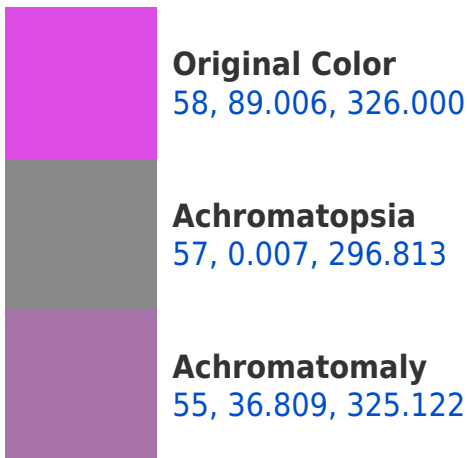


Tritanopia
58, 41.044, 18.431

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 89.006, 326.000 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(220, 76, 228)` looks like.

```
.text, #text, p{  
    color:rgb(220, 76, 228)  
}
```

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(220, 76, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 76, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 89.006, 326.000 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(220, 76, 228) }
```

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

```
.border{ border-color:rgb(220, 76, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 76, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 76, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 76, 228);  
box-shadow:4px 4px 4px 4px rgb(220, 76,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 89.006, 326.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 76, 228) }
```

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

```
.background{ background-color: rgb(220, 76,  
228) }
```

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