

Converting Colors

CIELCh(58, 83.090, 326.296)

Have a look what the booklet for
CIELCh(58, 83.090, 326.296)
contains.

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Color

CIELCh(58, 82.833, 326.400)

Conversions

Conversions Part 1

Format	Color
Hex	D853DD
RGB	216, 83, 221
RGB Percent	85%, 33%, 87%
CMY	0.1534, 0.6750, 0.1338
CMYK	0.02, 0.62, 0.00, 0.13
HSL	298°, 67%, 60%
HSV	298°, 62%, 87%
XYZ	44.4003, 25.9610, 70.9917
YIQ	138.4990, 34.9700, 71.1140

Conversions

Conversions Part 2

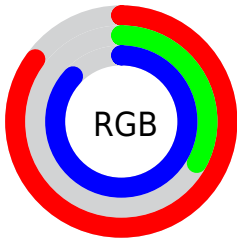
Format	Color
R_{YB}	216, 83, 221
Decimal	14177245
CIE _{Lab}	58.00, 68.99, -45.84
CIE _{LCh}	58, 82.833, 326.400
Yxy	25.9610, 0.3141, 0.1837
Android (android.graphics.Color)	4292367325 (0xFFD853DD)
YUV	138.4990, 40.6730, 67.9684
Hunter-Lab	50.9519, 66.3817, -46.9428

Details

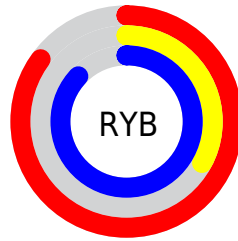
The CIELCh color **58, 82.833, 326.400** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **79, 83.519, 138.331**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 70.779, 326.840**, and **38, 82.696, 326.525** is the 20% darker color. If you saturate the color by 10%, you get **55, 91.894, 326.655**, and if you desaturate by 10%, it is **62, 71.734, 326.051**.

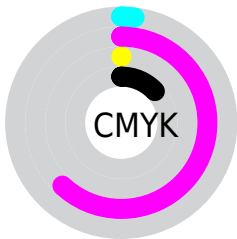
Distribution



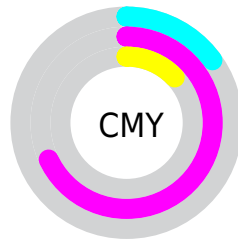
- Red (85%)
- Green (33%)
- Blue (87%)



- Red (85%)
- Yellow (33%)
- Blue (87%)



- Cyan (2%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (68%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 82.833, 326.400 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, 82.833, 326.400 by changing the saturation by 10% instead.

 58, 82.833,
326.400

 58, 82.833,
326.400

 100, 82.833,
326.400

 48, 82.833,
326.400


 78, 82.833,
326.400

 38, 82.833,
326.400

 88, 82.833,
326.400

 28, 82.833,
326.400

 98, 82.833,
326.400

 18, 82.833,
326.400

 8, 82.833, 326.400

 0, 82.833, 326.400

■ 58, 82.833,
326.400

■ 58, 82.833,
326.400

■ 55, 91.894,
326.655

■ 62, 71.734,
326.051

■ 53, 98.467,
326.801

■ 66, 59.165,
325.627

■ 52, 102.356,
326.830

■ 71, 45.661,
325.151

■ 51, 103.869,
326.790

■ 76, 31.667,
324.641

■ 81, 17.521,
324.112

■ 87, 3.460, 323.525

■ 92, 10.362,
143.114

■ 97, 21.049,
142.577

■ 97, 20.889,
141.960

Harmonies

Complementary

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



58, 82.833, 326.400



79, 83.519, 138.331

Rectangle

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



58, 82.833, 326.400



58, 82.833, 16.400



58, 82.833, 146.400



58, 82.833, 196.400

Sweetspot

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



58, 82.831, 326.400



88, 30.059, 324.467



45, 77.367, 298.505



45, 20.699, 324.619



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, 82.831, 326.400



62, 105.034, 326.713



56, 62.459, 347.946



43, 7.912, 323.947



40, 86.700, 326.814



7, 34.432, 326.933

Inverse Universe

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



54, 60.198, 25.734



57, 81.993, 30.159



79, 60.447, 153.998



43, 4.640, 16.997



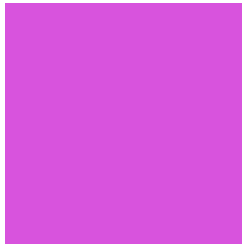
36, 76.684, 38.436



5, 23.786, 18.707

Previews

White Background



This preview shows how the CIELCh color 58, 82.833, 326.400 looks on a white background.

Color Contrast Check

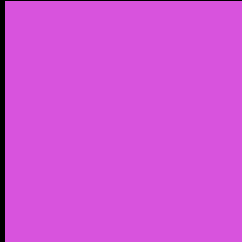
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.833, 326.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

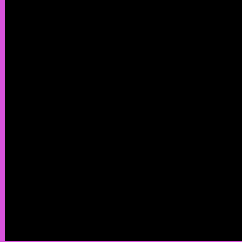
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 82.833, 326.400

Background



This preview shows how black text looks on a background with the CIELCh color 58, 82.833, 326.400.

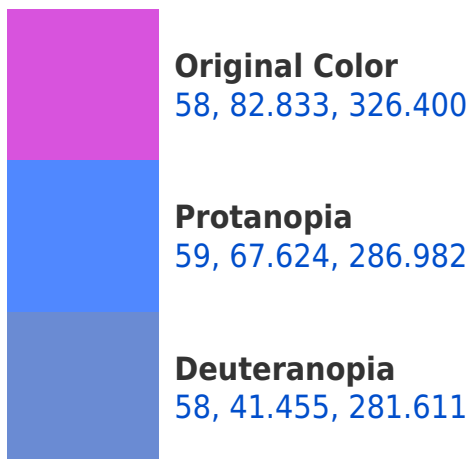


This preview shows how white text looks on a background with the CIELCh color 58, 82.833, 326.400.

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, 38.851, 17.731

Trichromacy



Original Color
58, 82.833, 326.400



Protanomaly
56, 71.862, 300.276



Deuteranomaly
56, 55.541, 304.540



Tritanomaly
57, 49.773, 347.801

Monochromacy



Original Color
58, 82.833, 326.400



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 33.505, 324.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 82.833, 326.400 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(216, 83, 221)` looks like.

```
.text, #text, p{  
    color:rgb(216, 83, 221)  
}
```

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(216, 83, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 83, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 82.833, 326.400 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(216, 83, 221) }
```

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

```
.border{ border-color:rgb(216, 83, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 83, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 83, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 83, 221);  
box-shadow:4px 4px 4px 4px rgb(216, 83,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 82.833, 326.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 83, 221) }
```

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

```
.background{ background-color: rgb(216, 83,  
221) }
```

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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