

Converting Colors

CIELCh(56, 84.894, 329.581)

Have a look what the booklet for
CIELCh(56, 84.894, 329.581)
contains.

CIELCh(56, 84.725, 329.725)	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(56, 84.725, 329.725)

Conversions

Conversions Part 1

Format	Color
Hex	DB45D2
RGB	219, 69, 210
RGB Percent	86%, 27%, 82%
CMY	0.1418, 0.7301, 0.1771
CMYK	0.00, 0.69, 0.04, 0.14
HSL	304°, 67%, 56%
HSV	304°, 69%, 86%
XYZ	42.8918, 23.9124, 63.2216
YIQ	129.9240, 44.1390, 75.6510

Conversions

Conversions Part 2

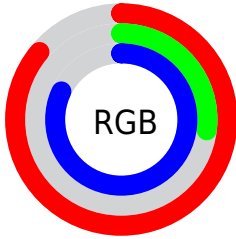
Format	Color
R_{YB}	219, 69, 210
Decimal	14370258
CIE _{Lab}	56.00, 73.17, -42.71
CIE _{LCh}	56, 84.725, 329.725
Yxy	23.9124, 0.3299, 0.1839
Android (android.graphics.Color)	4292560338 (0xFFDB45D2)
YUV	129.9240, 39.4775, 78.1197
Hunter-Lab	48.9003, 70.9916, -42.4238

Details

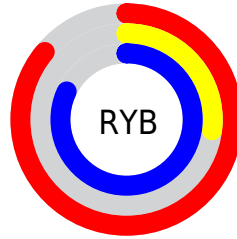
The CIELCh color **56, 84.725, 329.725** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **78, 86.759, 139.597**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 76.857, 327.036**, and **38, 79.612, 329.499** is the 20% darker color. If you saturate the color by 10%, you get **54, 91.705, 330.117**, and if you desaturate by 10%, it is **59, 75.415, 329.280**.

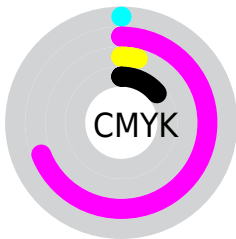
Distribution



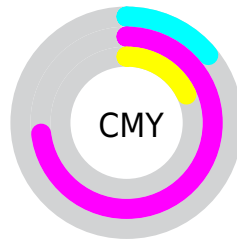
- Red (86%)
- Green (27%)
- Blue (82%)



- Red (86%)
- Yellow (27%)
- Blue (82%)



- Cyan (0%)
- Magenta (69%)
- Yellow (4%)
- Black (14%)




- Cyan (14%)
- Magenta (73%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 84.725, 329.725 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 56, 84.725, 329.725 by changing the saturation by 10% instead.

 56, 84.725,
329.725

 56, 84.725,
329.725


 100, 84.725,
329.725

 46, 84.725,
329.725

 76, 84.725,
329.725

 36, 84.725,
329.725

 86, 84.725,
329.725

 26, 84.725,
329.725

 96, 84.725,
329.725

 16, 84.725,
329.725

 6, 84.725, 329.725

 0, 84.725, 329.725

56, 84.725,
329.725

56, 84.725,
329.725

54, 91.705,
330.117

59, 75.415,
329.280

52, 96.065,
330.457

63, 64.281,
328.788

51, 97.982,
330.758

67, 51.873,
328.257

51, 98.180,
330.800

72, 38.695,
327.701

77, 25.152,
327.130

83, 11.542,
326.548

88, 1.931, 146.163

94, 15.135,
145.486

■ 97, 21.444,
145.722

Harmonies

Complementary

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



56, 84.725, 329.725



78, 86.759, 139.597

Rectangle

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



56, 84.725, 329.725



56, 84.725, 19.725



56, 84.725, 149.725



56, 84.725, 199.725

Sweetspot

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



56, 84.722, 329.725



87, 32.250, 327.282



39, 89.338, 302.320



45, 21.829, 327.441



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 84.722, 329.725



61, 105.332, 330.264



53, 63.614, 355.990



43, 7.681, 326.601



41, 82.592, 330.758



7, 33.144, 330.228

Inverse Universe

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



56, 84.722, 329.725



61, 105.332, 330.264



79, 58.990, 158.091



43, 7.681, 326.601



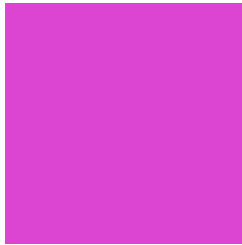
41, 82.592, 330.758



7, 33.144, 330.228

Previews

White Background



This preview shows how the CIELCh color 56, 84.725, 329.725 looks on a white background.

Color Contrast Check

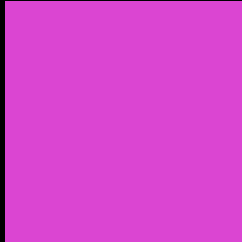
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 84.725, 329.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

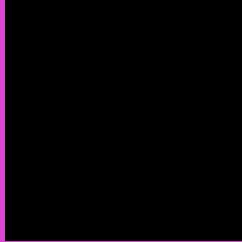
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 84.725, 329.725

Background



This preview shows how black text looks on a background with the CIELCh color 56, 84.725, 329.725.

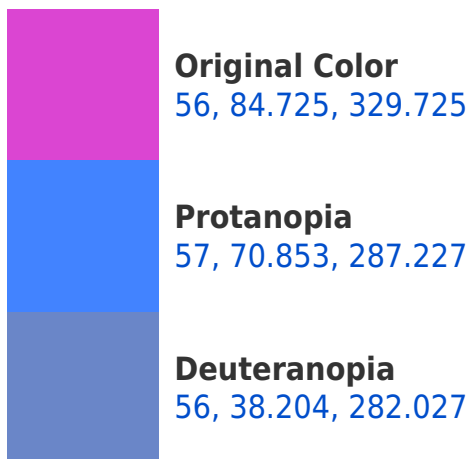


This preview shows how white text looks on a background with the CIELCh color 56, 84.725, 329.725.

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
56, 45.841, 20.697

Trichromacy



Original Color
56, 84.725, 329.725



Protanomaly
53, 75.313, 301.048



Deuteranomaly
54, 55.380, 308.087



Tritanomaly
55, 54.411, 353.284

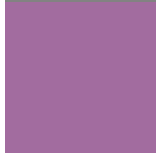
Monochromacy



Original Color
56, 84.725, 329.725



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 35.404, 327.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 84.725, 329.725 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(219, 69, 210)` looks like.

```
.text, #text, p{  
    color:rgb(219, 69, 210)  
}
```

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(219, 69, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 69, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 84.725, 329.725 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(219, 69, 210) }
```

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

```
.border{ border-color:rgb(219, 69, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 69, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 69, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 69, 210);  
box-shadow:4px 4px 4px 4px rgb(219, 69,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 84.725, 329.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 69, 210) }
```

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

```
.background{ background-color: rgb(219, 69,  
210) }
```

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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