

# Converting Colors

CIELCh(56, 87.946, 328.552)

Have a look what the booklet for  
CIELCh(56, 87.946, 328.552)  
contains.

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**Color**

**CIELCh(56, 87.818, 328.621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB42D7
RGB	219, 66, 215
RGB Percent	86%, 26%, 84%
CMY	0.1406, 0.7405, 0.1563
CMYK	0.00, 0.70, 0.02, 0.14
HSL	302°, 68%, 56%
HSV	302°, 70%, 86%
XYZ	43.4999, 23.9124, 66.7080
YIQ	128.7330, 43.3590, 78.7750

# Conversions

## Conversions Part 2

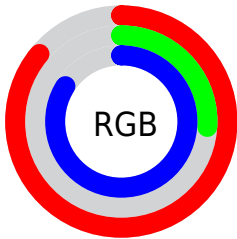
Format	Color
R <sub>YB</sub>	219, 66, 215
Decimal	14369495
CIE Lab	56.00, 74.97, -45.73
CIE LCh	56, 87.818, 328.621
Yxy	23.9124, 0.3243, 0.1783
Android (android.graphics.Color)	4292559575 (0xFFDB42D7)
YUV	128.7330, 42.5296, 79.1642
Hunter-Lab	48.9003, 73.2115, -46.6510

# Details

The CIELCh color **56, 87.818, 328.621** 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 **77, 89.726, 138.667**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 77.932, 327.071**, and **38, 81.562, 328.233** is the 20% darker color. If you saturate the color by 10%, you get **54, 94.707, 328.921**, and if you desaturate by 10%, it is **59, 78.533, 328.247**.

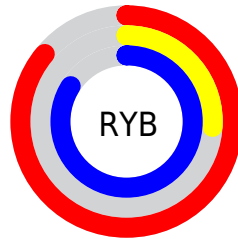
# Distribution



Red (86%)

Green (26%)

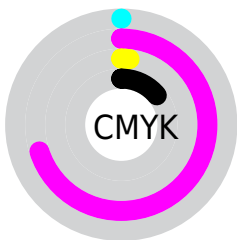
Blue (84%)



Red (86%)

Yellow (26%)

Blue (84%)

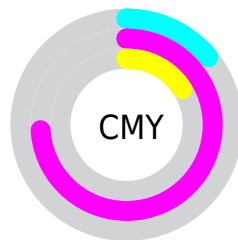


Cyan (0%)

Magenta (70%)

Yellow (2%)

Black (14%)



Cyan (14%)

Magenta (74%)


Yellow (16%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 87.818, 328.621 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, 87.818, 328.621 by changing the saturation by 10% instead.





 56, 87.818,  
328.621


 56, 87.818,  
328.621


 100, 87.818,  
328.621


 46, 87.818,  
328.621


 76, 87.818,  
328.621

 36, 87.818,  
328.621

 86, 87.818,  
328.621

 26, 87.818,  
328.621

 96, 87.818,  
328.621

 16, 87.818,  
328.621

 6, 87.818, 328.621

 0, 87.818, 328.621

56, 87.818,  
328.621

56, 87.818,  
328.621

54, 94.707,  
328.921

59, 78.533,  
328.247

52, 98.962,  
329.146

63, 67.335,  
327.807

52, 100.926,  
329.310

67, 54.770,  
327.316

52, 100.957,  
329.313

72, 41.356,  
326.787

77, 27.517,  
326.236

82, 13.572,  
325.669

88, 0.258, 146.232

93, 13.829,  
144.616

■ 97, 21.933,  
144.451

# Harmonies

# Complementary

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



56, 87.818, 328.621



77, 89.726, 138.667

# Rectangle

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



56, 87.818, 328.621



56, 87.818, 18.621



56, 87.818, 148.621



56, 87.818, 198.621

# Sweetspot

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



56, 87.815, 328.621



87, 32.998, 326.312



38, 91.319, 302.062



45, 22.334, 326.467



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, 87.815, 328.621



61, 108.902, 329.041



53, 65.289, 353.884



43, 7.860, 325.648



41, 84.800, 329.296



7, 33.935, 329.043



# Inverse Universe

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



56, 87.815, 328.621



61, 108.902, 329.041



78, 61.819, 156.056



43, 7.860, 325.648



41, 84.800, 329.296

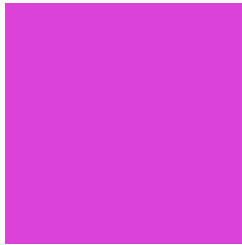


7, 33.935, 329.043



# Previews

## White Background



This preview shows how the CIELCh color 56, 87.818, 328.621 looks on a white background.

## Color Contrast Check

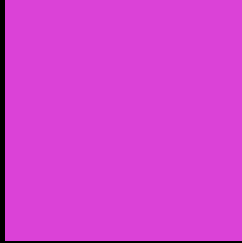
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.818, 328.621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

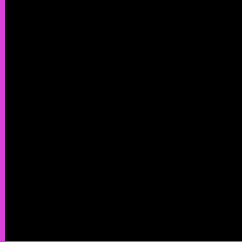
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 56, 87.818, 328.621

## Background



This preview shows how black text looks on a background with the CIELCh color 56, 87.818, 328.621.

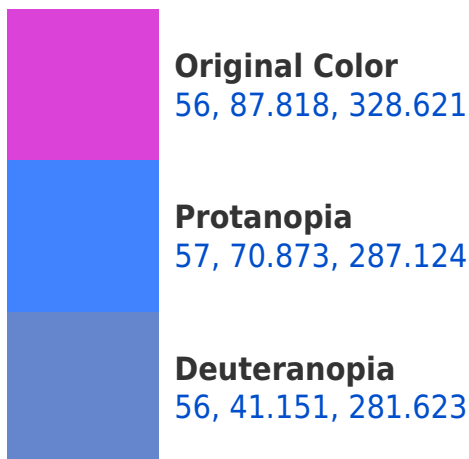


This preview shows how white text looks on a background with the CIELCh color 56, 87.818, 328.621.

# 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, 45.322, 19.896

# Trichromacy



**Original Color**  
56, 87.818, 328.621



**Protanomaly**  
53, 77.020, 301.126



**Deuteranomaly**  
53, 58.603, 306.894



**Tritanomaly**  
55, 55.210, 351.165

# Monochromacy



**Original Color**  
56, 87.818, 328.621



**Achromatopsia**  
54, 0.007, 296.813



**Achromatomaly**  
52, 37.178, 327.279

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 87.818, 328.621 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, 66, 215)` looks like.

```
.text, #text, p{  
    color:rgb(219, 66, 215)  
}
```

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, 66, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 66, 215) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 87.818, 328.621 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, 66, 215) }
```

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

```
.border{ border-color:rgb(219, 66, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 66, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 66, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 66, 215);  
box-shadow:4px 4px 4px 4px rgb(219, 66,  
215) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 87.818, 328.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 66, 215) }
```

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

```
.background{ background-color: rgb(219, 66,  
215) }
```

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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