

Converting Colors

CIELCh(56, 101.584, 333.410)

Have a look what the booklet for
CIELCh(56, 101.584, 333.410)
contains.

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Color

CIELCh(56, 101.570, 333.527)

Conversions

Conversions Part 1

Format	Color
Hex	F300D7
RGB	243, 0, 215
RGB Percent	95%, 0%, 84%
CMY	0.0479, 0.9997, 0.1577
CMYK	0.00, 1.00, 0.12, 0.05
HSL	307°, 100%, 48%
HSV	307°, 100%, 95%
XYZ	49.1271, 23.9124, 66.1803
YIQ	97.1670, 75.8130, 118.3810

Conversions

Conversions Part 2

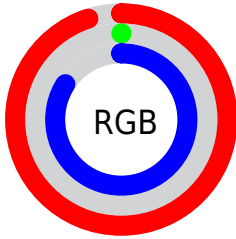
Format	Color
R_{YB}	243, 0, 215
Decimal	15925463
CIE _{Lab}	56.00, 90.92, -45.28
CIE _{LCh}	56, 101.570, 333.527
Yxy	23.9124, 0.3529, 0.1718
Android (android.graphics.Color)	4294115543 (0xFFFF300D7)
YUV	97.1670, 58.0917, 127.8955
Hunter-Lab	48.9003, 93.7522, -46.0112

Details

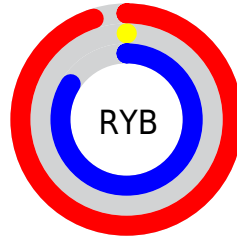
The CIELCh color **56, 101.570, 333.527** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **84, 112.917, 136.913**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **42, 81.611, 333.707** is the 20% darker color. If you saturate the color by 10%, you get **56, 101.569, 333.529**, and if you desaturate by 10%, it is **57, 100.294, 332.961**.

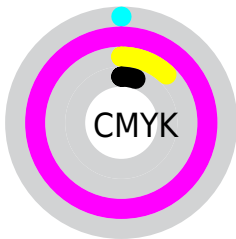
Distribution



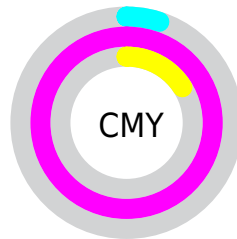
- Red (95%)
- Green (0%)
- Blue (84%)



- Red (95%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 101.570, 333.527 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, 101.570, 333.527 by changing the saturation by 10% instead.


 56, 101.570,
333.527


 56, 101.570,
333.527


 100, 101.570,
333.527


 46, 101.570,
333.527


 76, 101.570,
333.527


 36, 101.570,
333.527


 86, 101.570,
333.527

 26, 101.570,
333.527

 96, 101.570,
333.527

 16, 101.570,
333.527

 6, 101.570,
333.527

 0, 101.570,
333.527

■ 56, 101.570,
333.527

■ 56, 101.570,
333.527

■ 56, 101.569,
333.529

■ 57, 100.294,
332.961

■ 58, 96.482,
332.412

■ 61, 89.778,
331.863

■ 64, 80.468,
331.301

■ 68, 69.090,
330.722

■ 73, 56.256,
330.126

■ 78, 42.530,
329.521

■ 84, 28.369,

328.913

■ 90, 14.105,
328.303

Harmonies

Complementary

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



56, 101.570, 333.527



84, 112.917, 136.913

Rectangle

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



56, 101.570, 333.527



56, 101.570, 23.527



56, 101.570, 153.527



56, 101.570, 203.527

Sweetspot

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



56, 101.567, 333.527



82, 44.298, 329.528



31, 128.365, 306.550



41, 30.147, 329.784



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, 101.567, 333.527



59, 105.391, 333.545



52, 81.868, 12.652



48, 8.092, 328.273



43, 83.340, 333.431



10, 37.498, 332.666

Inverse Universe

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



56, 101.567, 333.527



59, 105.391, 333.545



85, 77.464, 154.354



48, 8.092, 328.273



43, 83.340, 333.431



10, 37.498, 332.666

Previews

White Background



This preview shows how the CIELCh color 56, 101.570, 333.527 looks on a white background.

Color Contrast Check

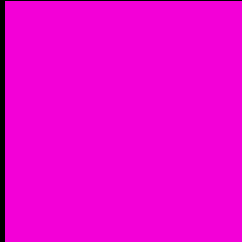
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.570, 333.527 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, 101.570, 333.527

Background



This preview shows how black text looks on a background with the CIELCh color 56, 101.570, 333.527.



This preview shows how white text looks on a background with the CIELCh color 56, 101.570, 333.527.

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

56, 101.643, 333.525

Protanopia

57, 70.245, 286.958

Deuteranopia

57, 38.749, 281.872



Tritanopia
56, 63.575, 25.810

Trichromacy



Original Color
56, 101.643, 333.525



Protanomaly
49, 90.069, 307.052



Deuteranomaly
50, 72.063, 314.354



Tritanomaly
54, 72.783, 358.503

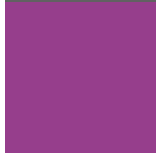
Monochromacy



Original Color
56, 101.643, 333.525



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 53.853, 331.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 101.570, 333.527 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(243, 0, 215)` looks like.

```
.text, #text, p{  
    color:rgb(243, 0, 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(243, 0, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 0, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 101.570, 333.527 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(243, 0, 215) }
```

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

```
.border{ border-color:rgb(243, 0, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 0, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 0, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 0, 215);  
box-shadow:4px 4px 4px 4px rgb(243, 0,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 101.570, 333.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 0, 215) }
```

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

```
.background{ background-color: rgb(243, 0,  
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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