

Converting Colors

CIELCh(56, 113.589, 325.666)

Have a look what the booklet for
CIELCh(56, 113.589, 325.666)
contains.

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Color

CIELCh(56, 113.581, 325.665)

Conversions

Conversions Part 1

Format	Color
Hex	E800F8
RGB	232, 0, 248
RGB Percent	91%, 0%, 97%
CMY	0.0904, 1.0000, 0.0277
CMYK	0.06, 1.00, 0.00, 0.03
HSL	296°, 100%, 49%
HSV	296°, 100%, 97%
XYZ	50.1888, 23.9124, 90.7270
YIQ	97.6400, 58.6640, 126.3120

Conversions

Conversions Part 2

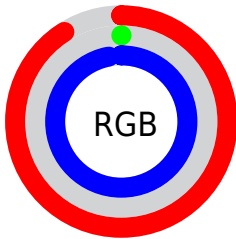
Format	Color
R_{YB}	232, 0, 248
Decimal	15204600
CIE _{Lab}	56.00, 93.79, -64.06
CIE _{LCh}	56, 113.581, 325.665
Yxy	23.9124, 0.3045, 0.1451
Android (android.graphics.Color)	4293394680 (0xFFE800F8)
YUV	97.6400, 74.1275, 117.8337
Hunter-Lab	48.9003, 97.6278, -75.7732

Details

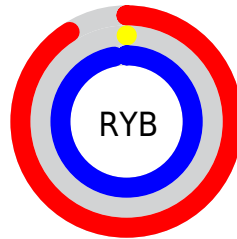
The CIELCh color **56, 113.581, 325.665** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **86, 116.938, 135.819**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **42, 93.663, 324.169** is the 20% darker color. If you saturate the color by 10%, you get **56, 113.560, 325.664**, and if you desaturate by 10%, it is **57, 111.232, 325.803**.

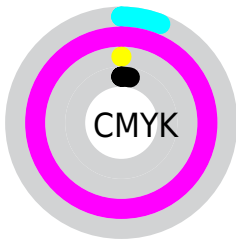
Distribution



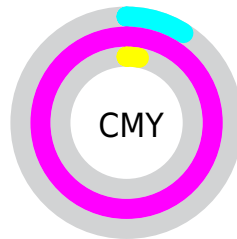
- Red (91%)
- Green (0%)
- Blue (97%)



- Red (91%)
- Yellow (0%)
- Blue (97%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (9%)
- Magenta (100%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 113.581, 325.665 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, 113.581, 325.665 by changing the saturation by 10% instead.


 56, 113.581,
325.665


 56, 113.581,
325.665


 100, 113.581,
325.665


 46, 113.581,
325.665


 76, 113.581,
325.665


 36, 113.581,
325.665


 86, 113.581,
325.665

 26, 113.581,
325.665

 96, 113.581,
325.665

 16, 113.581,
325.665

 6, 113.581,
325.665

 0, 113.581,
325.665

■ 56, 113.581,
325.665

■ 56, 113.581,
325.665

■ 56, 113.560,
325.664

■ 57, 111.232,
325.803

■ 59, 106.260,
325.818

■ 61, 98.316,
325.696

■ 65, 87.729,
325.451

■ 69, 75.072,
325.106

■ 74, 60.983,
324.686

■ 80, 46.036,
324.215

■ 85, 30.687,

323.712

■ 91, 15.270,
323.192

Harmonies

Complementary

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



56, 113.581, 325.665



86, 116.938, 135.819

Rectangle

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



56, 113.581, 325.665



56, 113.581, 15.665



56, 113.581, 145.665



56, 113.581, 195.665

Sweetspot

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



56, 113.560, 325.664



82, 47.095, 324.217



32, 128.194, 305.691



41, 32.072, 324.420



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, 113.560, 325.664



58, 116.003, 325.660



54, 84.186, 356.543



49, 8.733, 323.166



43, 92.496, 325.706



11, 41.824, 326.020

Inverse Universe

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



52, 99.824, 38.115



53, 102.035, 38.164



86, 93.965, 145.595



49, 5.178, 14.725



39, 80.708, 37.526



9, 31.741, 23.542

Previews

White Background



This preview shows how the CIE LCh color 56, 113.581, 325.665 looks on a white background.

Color Contrast Check

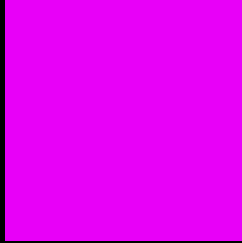
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.581, 325.665 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, 113.581, 325.665

Background



This preview shows how black text looks on a background with the CIELCh color 56, 113.581, 325.665.



This preview shows how white text looks on a background with the CIELCh color 56, 113.581, 325.665.

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, 113.581, 325.665

Protanopia

57, 70.285, 286.748

Deuteranopia

57, 55.994, 278.927



Tritanopia
56, 50.672, 21.992

Trichromacy



Original Color
56, 113.581, 325.665



Protanomaly
49, 96.333, 306.021



Deuteranomaly
49, 87.473, 305.386



Tritanomaly
53, 70.438, 347.018

Monochromacy



Original Color
56, 113.581, 325.665



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 59.158, 325.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 113.581, 325.665 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(232, 0, 248)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 248)  
}
```

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(232, 0, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 113.581, 325.665 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(232, 0, 248) }
```

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

```
.border{ border-color:rgb(232, 0, 248) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 248);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 113.581, 325.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 248) }
```

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

```
.background{ background-color: rgb(232, 0,  
248) }
```

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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