

Converting Colors

CIELCh(56, 105.719, 330.550)

Have a look what the booklet for
CIELCh(56, 105.719, 330.550)
contains.

CIELCh(56, 105.719, 330.550)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(56, 105.719, 330.550)

Conversions

Conversions Part 1

Format	Color
Hex	F000E3
RGB	240, 0, 227
RGB Percent	94%, 0%, 89%
CMY	0.0608, 1.0000, 0.1116
CMYK	0.00, 1.00, 0.05, 0.06
HSL	303°, 100%, 47%
HSV	303°, 100%, 94%
XYZ	49.5465, 23.9124, 74.3477
YIQ	97.6380, 70.1730, 121.4770

Conversions

Conversions Part 2

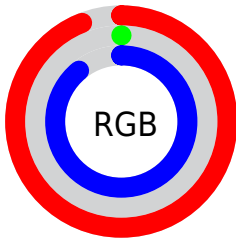
Format	Color
R_{YB}	240, 0, 227
Decimal	15728867
CIE _{Lab}	56.00, 92.06, -51.98
CIE _{LCh}	56, 105.719, 330.550
Yxy	23.9124, 0.3352, 0.1618
Android (android.graphics.Color)	4293918947 (0xFFFF00E3)
YUV	97.6380, 63.7755, 124.8515
Hunter-Lab	48.9003, 95.2832, -55.9139

Details

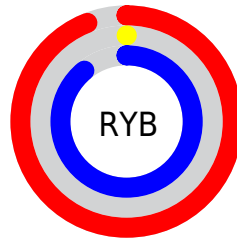
The CIELCh color **56, 105.719, 330.550** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **83, 113.334, 136.339**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **42, 85.568, 330.088** is the 20% darker color. If you saturate the color by 10%, you get **56, 105.559, 330.548**, and if you desaturate by 10%, it is **57, 103.851, 330.276**.

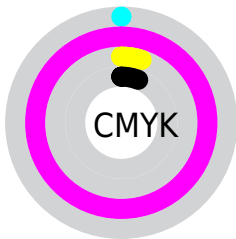
Distribution



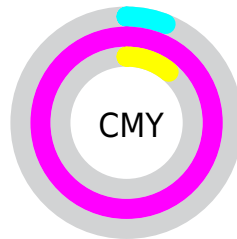
- Red (94%)
- Green (0%)
- Blue (89%)



- Red (94%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 105.719, 330.550 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, 105.719, 330.550 by changing the saturation by 10% instead.


 56, 105.719,
330.550


 56, 105.719,
330.550


 100, 105.719,
330.550


 46, 105.719,
330.550


 76, 105.719,
330.550


 36, 105.719,
330.550


 86, 105.719,
330.550

 26, 105.719,
330.550

 96, 105.719,
330.550

 16, 105.719,
330.550

 6, 105.719,
330.550

 0, 105.719,
330.550

■ 56, 105.719,
330.550

■ 56, 105.719,
330.550

■ 56, 105.559,
330.548

■ 57, 103.851,
330.276

■ 58, 99.658,
329.963

■ 61, 92.610,
329.595

■ 64, 82.965,
329.169

■ 68, 71.237,
328.690

■ 72, 58.027,
328.169

■ 77, 43.896,
327.618

■ 83, 29.305,

327.049

■ 89, 14.597,
326.469

Harmonies

Complementary

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



56, 105.719, 330.550



83, 113.334, 136.339

Rectangle

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



56, 105.719, 330.550



56, 105.719, 20.550



56, 105.719, 150.550



56, 105.719, 200.550

Sweetspot

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



56, 105.559, 330.548



82, 46.182, 327.624



30, 127.390, 306.395



41, 31.424, 327.860



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, 105.559, 330.548



60, 110.672, 330.557



51, 80.527, 7.685



47, 8.297, 326.438



43, 86.547, 330.508



10, 38.005, 330.175

Inverse Universe

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



56, 105.559, 330.548



60, 110.672, 330.557



84, 81.165, 151.391



47, 8.297, 326.438



43, 86.547, 330.508



10, 38.005, 330.175

Previews

White Background



This preview shows how the CIELCh color 56, 105.719, 330.550 looks on a white background.

Color Contrast Check

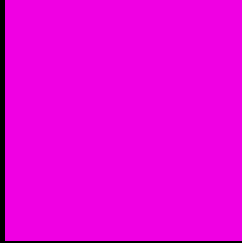
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.719, 330.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

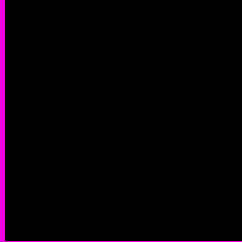
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 105.719, 330.550

Background



This preview shows how black text looks on a background with the CIELCh color 56, 105.719, 330.550.



This preview shows how white text looks on a background with the CIELCh color 56, 105.719,

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, 105.719, 330.550

Protanopia

57, 70.245, 286.958

Deuteranopia

57, 44.694, 280.419



Tritanopia
56, 59.172, 24.686

Trichromacy



Original Color
56, 105.719, 330.550



Protanomaly
49, 92.654, 306.746



Deuteranomaly
50, 76.905, 310.883



Tritanomaly
54, 71.688, 354.523

Monochromacy



Original Color
56, 105.719, 330.550



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 55.404, 329.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 105.719, 330.550 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(240, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 227)  
}
```

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(240, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 105.719, 330.550 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(240, 0, 227) }
```

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

```
.border{ border-color:rgb(240, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 105.719, 330.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 227) }
```

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

```
.background{ background-color: rgb(240, 0,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor