

Converting Colors

CIELCh(55, 95.575, 335.391)

Have a look what the booklet for
CIELCh(55, 95.575, 335.391)
contains.

CIELCh(55, 95.418, 335.537)	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(55, 95.418, 335.537)

Conversions

Conversions Part 1

Format	Color
Hex	EE15CA
RGB	238, 21, 202
RGB Percent	93%, 8%, 79%
CMY	0.0673, 0.9192, 0.2084
CMYK	0.00, 0.91, 0.15, 0.07
HSL	310°, 86%, 51%
HSV	310°, 91%, 93%
XYZ	46.1137, 22.9298, 57.7866
YIQ	106.5170, 71.2310, 102.2950

Conversions

Conversions Part 2

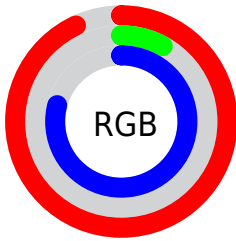
Format	Color
R _Y B	238, 21, 202
Decimal	15603146
CIE Lab	55.00, 86.85, -39.51
CIE LCh	55, 95.418, 335.537
Yxy	22.9298, 0.3636, 0.1808
Android (android.graphics.Color)	4293793226 (0xFFEE15CA)
YUV	106.5170, 47.0731, 115.3106
Hunter-Lab	47.8851, 88.0980, -38.0302

Details

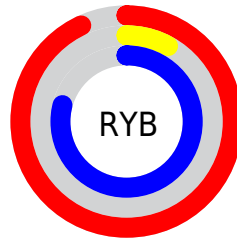
The CIELCh color **55, 95.418, 335.537** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **83, 104.928, 138.829**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.498, 327.438**, and **40, 77.026, 336.326** is the 20% darker color. If you saturate the color by 10%, you get **54, 96.146, 336.288**, and if you desaturate by 10%, it is **57, 92.324, 334.745**.

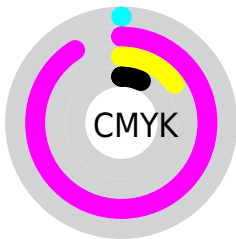
Distribution



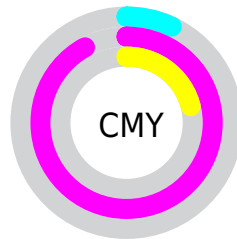
- Red (93%)
- Green (8%)
- Blue (79%)



- Red (93%)
- Yellow (8%)
- Blue (79%)



- Cyan (0%)
- Magenta (91%)
- Yellow (15%)
- Black (7%)





- Cyan (7%)
- Magenta (92%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 95.418, 335.537 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 55, 95.418, 335.537 by changing the saturation by 10% instead.


 55, 95.418,
335.537


 55, 95.418,
335.537


 100, 95.418,
335.537


 45, 95.418,
335.537


 75, 95.418,
335.537

 35, 95.418,
335.537

 85, 95.418,
335.537

 25, 95.418,
335.537

 95, 95.418,
335.537

 15, 95.418,
335.537

 5, 95.418, 335.537

 0, 95.418, 335.537

■ 55, 95.418,
335.537

■ 55, 95.418,
335.537

■ 54, 96.146,
336.288

■ 57, 92.324,
334.745

■ 59, 86.389,
334.014

■ 62, 77.863,
333.318

■ 66, 67.263,
332.640

■ 71, 55.194,
331.973

■ 76, 42.217,
331.314

■ 82, 28.785,
330.666

■ 87, 15.231,

330.026

 93, 1.784, 329.248

Harmonies

Complementary

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



55, 95.418, 335.537



83, 104.928, 138.829

Rectangle

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



55, 95.418, 335.537



55, 95.418, 25.537



55, 95.418, 155.537



55, 95.418, 205.537

Sweetspot

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



55, 95.415, 335.537



83, 38.547, 331.038



33, 121.137, 306.564



42, 25.947, 331.262



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 95.415, 335.537



58, 101.300, 336.324



51, 78.961, 12.826



47, 7.677, 329.907



42, 79.352, 336.133



9, 35.257, 334.860

Inverse Universe

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



55, 95.415, 335.537



58, 101.300, 336.324



84, 68.565, 159.664



47, 7.677, 329.907



42, 79.352, 336.133



9, 35.257, 334.860

Previews

White Background



This preview shows how the CIELCh color 55, 95.418, 335.537 looks on a white background.

Color Contrast Check

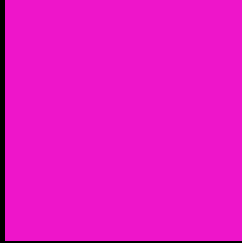
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 95.418, 335.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

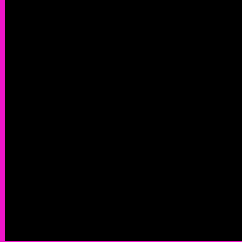
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 95.418, 335.537

Background



This preview shows how black text looks on a background with the CIELCh color 55, 95.418, 335.537.



This preview shows how white text looks on a background with the CIELCh color 55, 95.418, 335.537.

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

55, 95.418, 335.537

Protanopia

56, 72.776, 287.557

Deuteranopia

55, 34.176, 283.210



Tritanopia
55, 63.983, 26.527

Trichromacy



Original Color
55, 95.418, 335.537



Protanomaly
49, 85.251, 305.083



Deuteranomaly
50, 62.566, 315.769



Tritanomaly
54, 69.627, 1.676

Monochromacy



Original Color
55, 95.418, 335.537



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 47.402, 332.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 95.418, 335.537 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(238, 21, 202)` looks like.

```
.text, #text, p{  
    color:rgb(238, 21, 202)  
}
```

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(238, 21, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 21, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 95.418, 335.537 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(238, 21, 202) }
```

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

```
.border{ border-color:rgb(238, 21, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 21, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 21, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 21, 202);  
box-shadow:4px 4px 4px 4px rgb(238, 21,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 95.418, 335.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 21, 202) }
```

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

```
.background{ background-color: rgb(238, 21,  
202) }
```

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