

Converting Colors

CIELCh(55, 110.503, 326.629)

Have a look what the booklet for
CIELCh(55, 110.503, 326.629)
contains.

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Color

CIELCh(55, 110.242, 326.728)

Conversions

Conversions Part 1

Format	Color
Hex	E600EF
RGB	230, 0, 239
RGB Percent	90%, 0%, 94%
CMY	0.0996, 1.0000, 0.0642
CMYK	0.04, 1.00, 0.00, 0.06
HSL	298°, 100%, 47%
HSV	298°, 100%, 94%
XYZ	48.0119, 22.9298, 83.2663
YIQ	96.0160, 60.3610, 123.0890

Conversions

Conversions Part 2

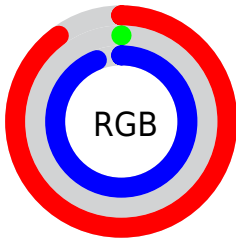
Format	Color
R_{YB}	230, 0, 239
Decimal	15073519
CIE _{Lab}	55.00, 92.17, -60.48
CIE _{LCh}	55, 110.242, 326.728
Yxy	22.9298, 0.3113, 0.1487
Android (android.graphics.Color)	4293263599 (0xFFE600EF)
YUV	96.0160, 70.4911, 117.5040
Hunter-Lab	47.8851, 95.1737, -69.5784

Details

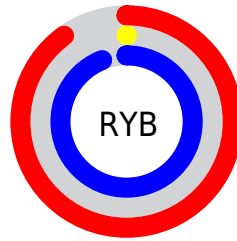
The CIELCh color **55, 110.242, 326.728** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **83, 113.731, 135.902**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **41, 90.089, 325.447** is the 20% darker color. If you saturate the color by 10%, you get **55, 110.112, 326.722**, and if you desaturate by 10%, it is **56, 107.877, 326.776**.

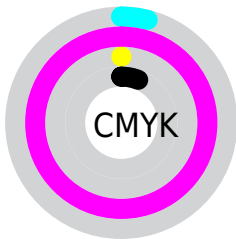
Distribution



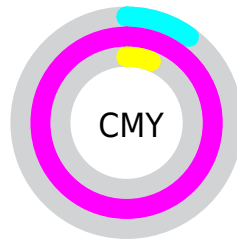
- Red (90%)
- Green (0%)
- Blue (94%)



- Red (90%)
- Yellow (0%)
- Blue (94%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (10%)
- Magenta (100%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 110.242, 326.728 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, 110.242, 326.728 by changing the saturation by 10% instead.


 55, 110.242,
326.728


 55, 110.242,
326.728


 100, 110.242,
326.728


 45, 110.242,
326.728


 75, 110.242,
326.728


 35, 110.242,
326.728


 85, 110.242,
326.728

 25, 110.242,
326.728

 95, 110.242,
326.728

 15, 110.242,
326.728

 5, 110.242,
326.728

 0, 110.242,
326.728

■ 55, 110.242,
326.728

■ 55, 110.242,
326.728

■ 55, 110.112,
326.722

■ 56, 107.877,
326.776

■ 57, 103.133,
326.727

■ 60, 95.529,
326.559

■ 63, 85.351,
326.282

■ 67, 73.130,
325.914

■ 72, 59.473,
325.476

■ 77, 44.938,
324.989

■ 83, 29.976,

324.472

■ 88, 14.924,
323.937

Harmonies

Complementary

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



55, 110.242, 326.728



83, 113.731, 135.902

Rectangle

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



55, 110.242, 326.728



55, 110.242, 16.728



55, 110.242, 146.728



55, 110.242, 196.728

Sweetspot

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



55, 110.112, 326.722



82, 47.420, 324.995



31, 125.237, 305.847



41, 32.280, 325.205



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, 110.112, 326.722



59, 115.786, 326.717



52, 81.374, 358.003



47, 8.508, 323.909



42, 90.464, 326.747



10, 39.479, 326.952

Inverse Universe

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



50, 97.960, 38.889



53, 103.127, 38.976



83, 89.758, 146.375



47, 4.993, 16.880



38, 80.048, 38.477



8, 29.636, 22.290

Previews

White Background



This preview shows how the CIELCh color 55, 110.242, 326.728 looks on a white background.

Color Contrast Check

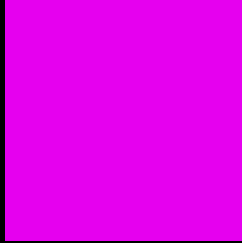
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 110.242, 326.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

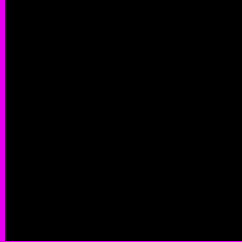
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 110.242, 326.728

Background



This preview shows how black text looks on a background with the CIELCh color 55, 110.242, 326.728.



This preview shows how white text looks on a background with the CIELCh color 55, 110.242, 326.728.

326.728.

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, 110.242, 326.728

Protanopia

56, 72.184, 287.193

Deuteranopia

56, 52.617, 279.309



Tritanopia
55, 51.838, 22.966

Trichromacy



Original Color
55, 110.242, 326.728



Protanomaly
48, 96.090, 305.562



Deuteranomaly
48, 83.868, 306.609



Tritanomaly
53, 69.618, 349.045

Monochromacy



Original Color
55, 110.242, 326.728



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 57.285, 326.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 110.242, 326.728 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(230, 0, 239)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 239)  
}
```

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(230, 0, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 110.242, 326.728 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(230, 0, 239) }
```

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

```
.border{ border-color:rgb(230, 0, 239) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 239);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 110.242, 326.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 239) }
```

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

```
.background{ background-color: rgb(230, 0,  
239) }
```

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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