

# Converting Colors

CIELCh(55, 85.507, 334.007)

Have a look what the booklet for  
CIELCh(55, 85.507, 334.007)  
contains.

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**Color**

**CIELCh(55, 85.507, 334.007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E138C6
RGB	225, 56, 198
RGB Percent	88%, 22%, 78%
CMY	0.1174, 0.7801, 0.2233
CMYK	0.00, 0.75, 0.12, 0.12
HSL	310°, 74%, 55%
HSV	310°, 75%, 88%
XYZ	42.6833, 22.9298, 55.6313
YIQ	122.7190, 55.1420, 79.9900

# Conversions

## Conversions Part 2

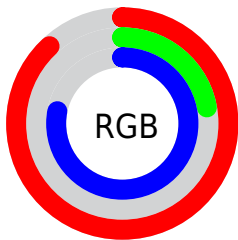
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 56, 198
Decimal	14760134
CIE Lab	55.00, 76.86, -37.47
CIE LCh	55, 85.507, 334.007
Yxy	22.9298, 0.3520, 0.1891
Android (android.graphics.Color)	4292950214 (0xFFE138C6)
YUV	122.7190, 37.1135, 89.7004
Hunter-Lab	47.8851, 75.3104, -35.3616

# Details

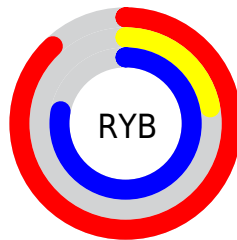
The CIELCh color **55, 85.507, 334.007** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **79, 89.240, 141.217**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 81.614, 327.189**, and **38, 75.577, 333.990** is the 20% darker color. If you saturate the color by 10%, you get **53, 90.267, 334.729**, and if you desaturate by 10%, it is **58, 78.145, 333.322**.

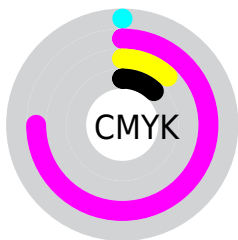
# Distribution



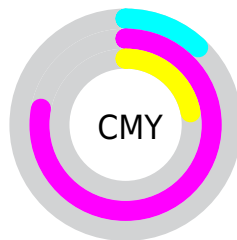
- Red (88%)
- Green (22%)
- Blue (78%)



- Red (88%)
- Yellow (22%)
- Blue (78%)



- Cyan (0%)
- Magenta (75%)
- Yellow (12%)
- Black (12%)




- Cyan (12%)
- Magenta (78%)
- Yellow (22%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 85.507, 334.007 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, 85.507, 334.007 by changing the saturation by 10% instead.





 55, 85.507,  
334.007


 55, 85.507,  
334.007


 100, 85.507,  
334.007


 45, 85.507,  
334.007


 75, 85.507,  
334.007

 35, 85.507,  
334.007

 85, 85.507,  
334.007

 25, 85.507,  
334.007

 95, 85.507,  
334.007

 15, 85.507,  
334.007

 5, 85.507, 334.007

 0, 85.507, 334.007

55, 85.507,  
334.007

55, 85.507,  
334.007

53, 90.267,  
334.729

58, 78.145,  
333.322

52, 92.329,  
335.514

61, 68.613,  
332.655

51, 92.673,  
335.922

66, 57.471,  
331.997

70, 45.276,  
331.345

76, 32.500,  
330.700

81, 19.502,  
330.064

87, 6.535, 329.419

92, 6.238, 148.930

■ 97, 16.500,  
149.057

# Harmonies

# Complementary

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



55, 85.507, 334.007



79, 89.240, 141.217

# Rectangle

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



55, 85.507, 334.007



55, 85.507, 24.007



55, 85.507, 154.007



55, 85.507, 204.007

# Sweetspot

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



55, 85.504, 334.007



86, 32.978, 330.577



38, 99.471, 305.011



44, 22.821, 330.810



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, 85.504, 334.007



59, 100.814, 335.154



52, 67.874, 5.747



44, 7.301, 329.707



40, 77.258, 335.776



7, 32.246, 334.350



# Inverse Universe

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



55, 85.504, 334.007



59, 100.814, 335.154



80, 58.338, 163.034



44, 7.301, 329.707



40, 77.258, 335.776



7, 32.246, 334.350



# Previews

## White Background



This preview shows how the CIELCh color 55, 85.507, 334.007 looks on a white background.

## Color Contrast Check

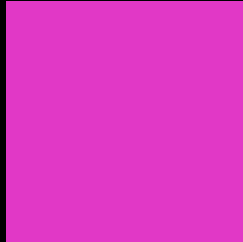
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.507, 334.007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

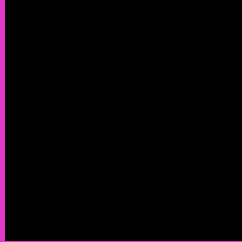
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 85.507, 334.007

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.507, 334.007.

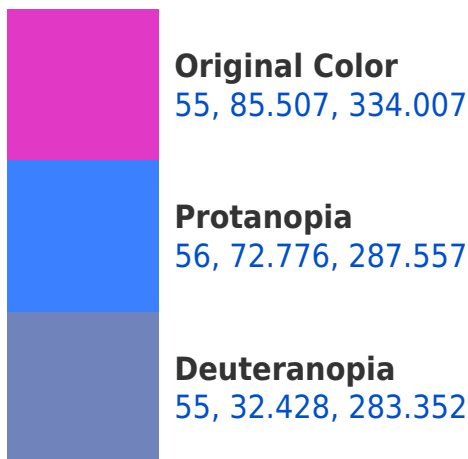


This preview shows how white text looks on a background with the CIELCh color 55, 85.507, 334.007.

# 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







**Tritanopia**  
55, 53.701, 23.501

# Trichromacy



**Original Color**  
55, 85.507, 334.007



**Protanomaly**  
51, 76.348, 301.825



**Deuteranomaly**  
52, 52.684, 313.344



**Tritanomaly**  
54, 59.692, 358.842

# Monochromacy



**Original Color**  
55, 85.507, 334.007



**Achromatopsia**  
52, 0.007, 296.813



**Achromatomaly**  
50, 37.099, 331.632

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 85.507, 334.007 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(225, 56, 198)` looks like.

```
.text, #text, p{  
    color:rgb(225, 56, 198)  
}
```

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(225, 56, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 56, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 85.507, 334.007 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(225, 56, 198) }
```

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

```
.border{ border-color:rgb(225, 56, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 56, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 56, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 56, 198); box-shadow:4px 4px 4px 4px rgb(225, 56, 198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 85.507, 334.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 56, 198) }
```

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

```
.background{ background-color: rgb(225, 56,  
198) }
```

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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