

# Converting Colors

CIELCh(55, 35.539, 338.553)

Have a look what the booklet for  
CIELCh(55, 35.539, 338.553)  
contains.

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**Color**

**CIELCh(55, 35.781, 338.345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<b>B16E9B</b>
RGB	<b>177, 110, 155</b>
RGB Percent	<b>69%, 43%, 61%</b>
CMY	<b>0.3052, 0.5679, 0.3915</b>
CMYK	<b>0.00, 0.38, 0.12, 0.31</b>
HSL	<b>320°, 30%, 56%</b>
HSV	<b>320°, 38%, 69%</b>
XYZ	<b>29.6990, 22.9298, 33.9483</b>
YIQ	<b>135.1630, 25.4870, 28.1990</b>

# Conversions

## Conversions Part 2

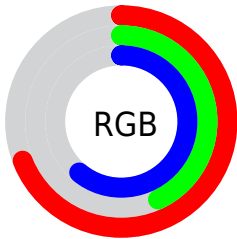
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 110, 155
Decimal	11628187
CIE <sub>Lab</sub>	55.00, 33.26, -13.20
CIE <sub>LCh</sub>	55, 35.781, 338.345
Yxy	22.9298, 0.3430, 0.2648
Android (android.graphics.Color)	4289818267 (0xFFB16E9B)
YUV	135.1630, 9.7796, 36.6910
Hunter-Lab	47.8851, 26.9093, -8.5143

# Details

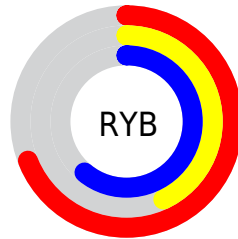
The CIELCh color **55, 35.781, 338.345** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **67, 35.265, 152.198**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 35.526, 338.835**, and **35, 36.031, 338.171** is the 20% darker color. If you saturate the color by 10%, you get **51, 44.701, 339.272**, and if you desaturate by 10%, it is **59, 26.406, 337.497**.

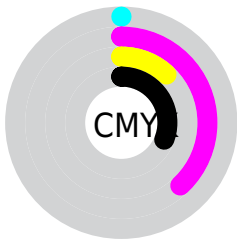
# Distribution



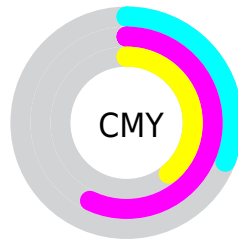
- Red (69%)
- Green (43%)
- Blue (61%)



- Red (69%)
- Yellow (43%)
- Blue (61%)



- Cyan (0%)
- Magenta (38%)
- Yellow (12%)
- Black (31%)




- Cyan (31%)
- Magenta (57%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 35.781, 338.345 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, 35.781, 338.345 by changing the saturation by 10% instead.





 55, 35.781,  
338.345


 55, 35.781,  
338.345


 100, 35.781,  
338.345


 45, 35.781,  
338.345


 75, 35.781,  
338.345

 35, 35.781,  
338.345

 85, 35.781,  
338.345

 25, 35.781,  
338.345

 95, 35.781,  
338.345

 15, 35.781,  
338.345

 5, 35.781, 338.345

 0, 35.781, 338.345

55, 35.781,  
338.345

55, 35.781,  
338.345

51, 44.701,  
339.272

59, 26.406,  
337.497

47, 52.799,  
340.302

64, 16.865,  
336.709

44, 59.627,  
341.476

69, 7.349, 335.955

42, 64.739,  
342.852

73, 2.018, 155.473

40, 67.806,  
344.508

78, 11.162,  
154.704


39, 68.906,  
346.505

83, 20.044,  
154.090

39, 69.070,  
346.959

88, 28.651,  
153.520

93, 36.984,  
152.986

 94, 36.597,  
155.505

# Harmonies

# Complementary

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



55, 35.781, 338.345



67, 35.265, 152.198

# Rectangle

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



55, 35.781, 338.345



55, 35.781, 28.345



55, 35.781, 158.345



55, 35.781, 208.345

# Sweetspot

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



55, 35.779, 338.346



85, 12.791, 336.208



51, 39.848, 304.996



44, 8.594, 336.307



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



55, 35.779, 338.346



66, 52.083, 339.074



54, 28.563, 9.009



35, 5.361, 336.069



33, 62.126, 346.669



2, 11.926, 340.320



# Inverse Universe

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



55, 35.779, 338.346



66, 52.083, 339.074



68, 24.167, 181.050



35, 5.361, 336.069



33, 62.126, 346.669



2, 11.926, 340.320



# Previews

## White Background



This preview shows how the CIELCh color 55, 35.781, 338.345 looks on a white background.

## Color Contrast Check

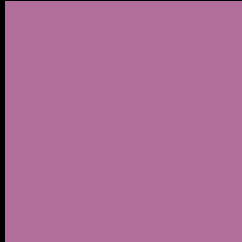
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.781, 338.345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

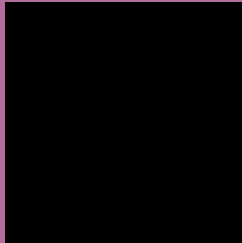
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 35.781, 338.345

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 35.781, 338.345.

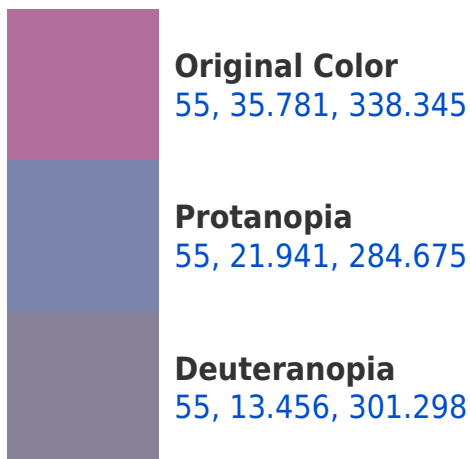


This preview shows how white text looks on a background with the CIELCh color 55, 35.781, 338.345.

# 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, 24.501, 10.427

# Trichromacy



**Original Color**  
55, 35.781, 338.345

**Protanomaly**  
55, 24.710, 309.006

**Deuteranomaly**  
55, 20.799, 322.761

**Tritanomaly**  
55, 27.307, 355.706

# Monochromacy



**Original Color**  
55, 35.781, 338.345

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
55, 13.158, 336.766

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 35.781, 338.345 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(177, 110, 155)` looks like.

```
.text, #text, p{  
    color:rgb(177, 110, 155)  
}
```

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(177, 110, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 110, 155) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 35.781, 338.345 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(177, 110, 155) }
```

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

```
.border{ border-color:rgb(177, 110, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 110, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 110, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 110, 155); box-shadow:4px 4px 4px 4px rgb(177, 110, 155) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 35.781, 338.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 110, 155) }
```

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

```
.background{ background-color: rgb(177,  
110, 155) }
```

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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