

# Converting Colors

CIELCh(88, 7.307, 357.386)

Have a look what the booklet for  
CIELCh(88, 7.307, 357.386) contains.

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# Color

**CIELCh(88, 7.580, 355.569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD8DE
RGB	235, 216, 222
RGB Percent	92%, 85%, 87%
CMY	0.0783, 0.1528, 0.1293
CMYK	0.00, 0.08, 0.06, 0.08
HSL	341°, 32%, 88%
HSV	341°, 8%, 92%
XYZ	72.0189, 72.0653, 79.2382
YIQ	222.3650, 9.3980, 5.8940

# Conversions

## Conversions Part 2

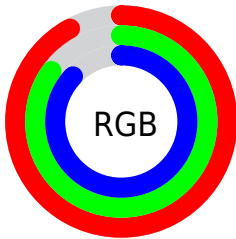
Format	Color
R <sub>Y</sub> B	235, 216, 222
Decimal	15456478
CIE Lab	88.00, 7.56, -0.59
CIE LCh	88, 7.580, 355.569
Yxy	72.0653, 0.3225, 0.3227
Android (android.graphics.Color)	4293646558 (0xFFEBD8DE)
YUV	222.3650, -0.1799, 11.0809
Hunter-Lab	84.8913, 2.8736, 4.0822

# Details

The CIELCh color **88, 7.580, 355.569** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **92, 7.409, 174.211**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 7.653, 354.575** is the 20% darker color. If you saturate the color by 10%, you get **82, 17.278, 356.685**, and if you desaturate by 10%, it is **94, 1.752, 175.022**.

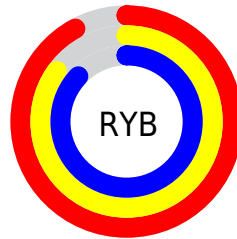
# Distribution



Red (92%)

Green (85%)

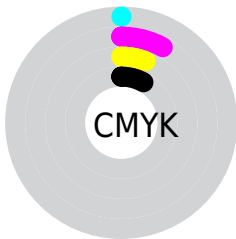
Blue (87%)



Red (92%)

Yellow (85%)

Blue (87%)

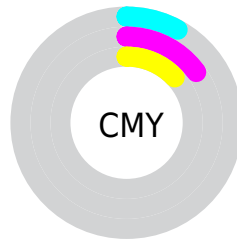


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (8%)



Cyan (8%)

Magenta (15%)

Yellow (13%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 7.580, 355.569 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 88, 7.580, 355.569 by changing the saturation by 10% instead.



 88, 7.580, 355.569

 88, 7.580, 355.569

 100, 7.580,  
355.569

 78, 7.580, 355.569

 68, 7.580, 355.569

 58, 7.580, 355.569

 48, 7.580, 355.569

 38, 7.580, 355.569

 28, 7.580, 355.569

 18, 7.580, 355.569

 8, 7.580, 355.569

 0, 7.580, 355.569

88, 7.580, 355.569

88, 7.580, 355.569

82, 17.278,  
356.685

94, 1.752, 175.022

76, 27.261,  
357.938

99, 6.872, 195.629

99, 6.842, 199.069

70, 37.361,  
359.418

65, 47.309, 1.210

60, 56.723, 3.430

56, 65.139, 6.228

53, 72.126, 9.784

51, 77.479, 14.250

50, 81.477, 19.602

# Harmonies

# Complementary

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



88, 7.580, 355.569



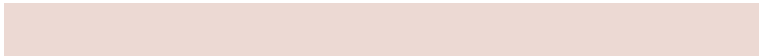
92, 7.409, 174.211

# Rectangle

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



88, 7.580, 355.569



88, 7.580, 45.569



88, 7.580, 175.569



88, 7.580, 225.569

# Sweetspot

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



88, 7.578, 355.579



99, 1.982, 354.783



88, 10.990, 315.523



53, 1.127, 354.759



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



88, 7.578, 355.579



93, 10.055, 355.790



89, 5.948, 37.366



46, 5.332, 355.728



38, 67.292, 19.594



7, 27.801, 8.441





# Inverse Universe

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



88, 7.578, 355.579



93, 10.055, 355.790



91, 5.654, 217.830



46, 5.332, 355.728



38, 67.292, 19.594

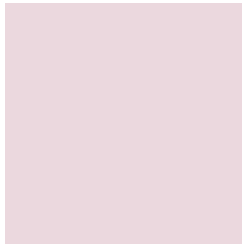


7, 27.801, 8.441



# Previews

## White Background



This preview shows how the CIELCh color 88, 7.580, 355.569 looks on a white background.

## Color Contrast Check

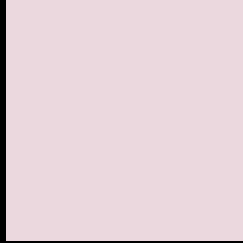
Large Text (above 18pt) WCAG AA × Fail

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 88, 7.580, 355.569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

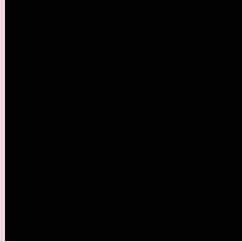
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

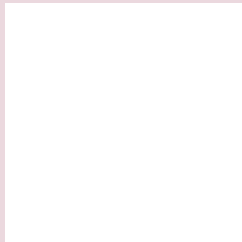
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 7.580, 355.569

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 7.580, 355.569.



This preview shows how white text looks on a background with the CIELCh color 88, 7.580, 355.569.

# 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**  
88, 11.272, 332.439



# Trichromacy



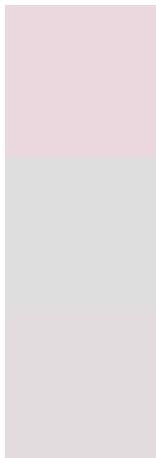
**Original Color**  
88, 7.580, 355.569

**Protanomaly**  
88, 3.873, 346.975

**Deuteranomaly**  
88, 9.466, 357.450

**Tritanomaly**  
88, 10.179, 338.377

# Monochromacy



**Original Color**  
88, 7.580, 355.569

**Achromatopsia**  
88, 0.011, 296.813

**Achromatomaly**  
88, 2.741, 357.049

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 7.580, 355.569 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(235, 216, 222)` looks like.

```
.text, #text, p{  
    color:rgb(235, 216, 222)  
}
```

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(235, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 216, 222) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 7.580, 355.569 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(235, 216, 222) }
```

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

```
.border{ border-color:rgb(235, 216, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 216, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 216, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 216, 222);  
box-shadow:4px 4px 4px 4px rgb(235, 216,  
222) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 7.580, 355.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 216, 222) }
```

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

```
.background{ background-color: rgb(235,  
216, 222) }
```

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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