

Converting Colors

CIELCh(87, 2.472, 7.166)

Have a look what the booklet for
CIELCh(87, 2.472, 7.166) contains.

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Color

CIELCh(87, 2.593, 7.751)

Conversions

Conversions Part 1

Format	Color
Hex	DFD8D9
RGB	223, 216, 217
RGB Percent	87%, 85%, 85%
CMY	0.1244, 0.1519, 0.1479
CMYK	0.00, 0.03, 0.03, 0.12
HSL	351°, 10%, 86%
HSV	351°, 3%, 88%
XYZ	67.7009, 70.0064, 75.7756
YIQ	218.2070, 3.8510, 1.7950

Conversions

Conversions Part 2

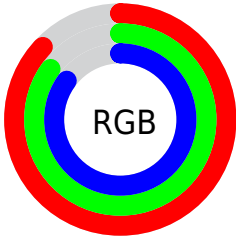
Format	Color
R _Y B	223, 216, 217
Decimal	14670041
CIE Lab	87.00, 2.57, 0.35
CIE LCh	87, 2.593, 7.751
Yxy	70.0064, 0.3171, 0.3279
Android (android.graphics.Color)	4292860121 (0xFFDFD8D9)
YUV	218.2070, -0.5951, 4.2035
Hunter-Lab	83.6698, -1.9901, 4.8729

Details

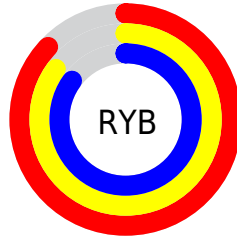
The CIELCh color **87, 2.593, 7.751** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 2.549, 187.703**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 2.741, 7.886** is the 20% darker color. If you saturate the color by 10%, you get **81, 11.186, 8.902**, and if you desaturate by 10%, it is **93, 5.492, 187.312**.

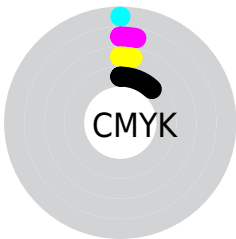
Distribution



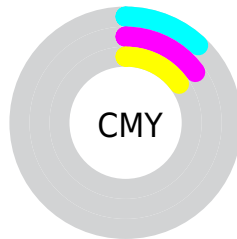
- Red (87%)
- Green (85%)
- Blue (85%)



- Red (87%)
- Yellow (85%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (12%)



- Cyan (12%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 2.593, 7.751 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 87, 2.593, 7.751 by changing the saturation by 10% instead.

87, 2.593, 7.751

87, 2.593, 7.751

100, 2.593, 7.751

77, 2.593, 7.751

67, 2.593, 7.751

57, 2.593, 7.751

47, 2.593, 7.751

37, 2.593, 7.751

27, 2.593, 7.751

17, 2.593, 7.751

7, 2.593, 7.751

0, 2.593, 7.751

87, 2.593, 7.751

87, 2.593, 7.751

81, 11.186, 8.902

93, 5.492, 187.312

75, 20.283, 10.060

98, 10.737,
198.790

69, 29.821, 11.458

64, 39.665, 13.191

59, 49.585, 15.376

55, 59.258, 18.152

51, 68.327, 21.655

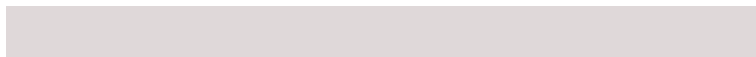
49, 76.503, 25.941

47, 83.619, 30.820

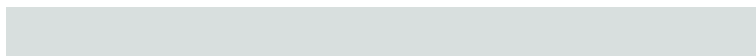
Harmonies

Complementary

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



87, 2.593, 7.751



88, 2.549, 187.703

Rectangle

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



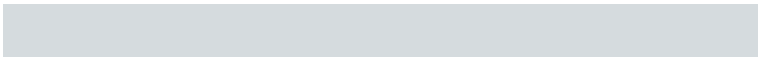
87, 2.593, 7.751



87, 2.593, 57.751



87, 2.593, 187.751



87, 2.593, 237.751

Sweetspot

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



87, 2.591, 7.787



99, 0.918, 7.139



87, 4.264, 320.373



53, 0.522, 7.099



0, 0.000, 0.000



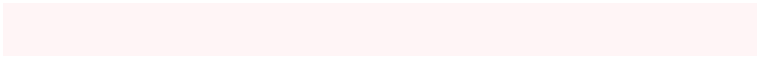
53, 0.007, 296.813

Same Dimension

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



87, 2.591, 7.787



97, 3.693, 7.915



88, 2.069, 57.247



46, 2.368, 8.002



37, 72.945, 33.240



6, 25.303, 14.923

Inverse Universe

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



87, 2.591, 7.787



97, 3.693, 7.915



88, 2.049, 238.295



46, 2.368, 8.002



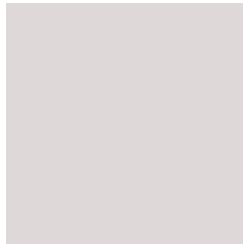
37, 72.945, 33.240



6, 25.303, 14.923

Previews

White Background



This preview shows how the CIELCh color 87, 2.593, 7.751 looks on a white background.

Color Contrast Check

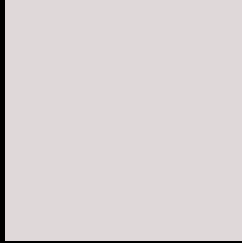
Large Text (above 18pt) WCAG AA × Fail

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 87, 2.593, 7.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

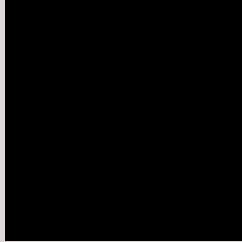
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

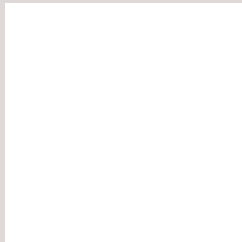
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 2.593, 7.751

Background



This preview shows how black text looks on a background with the CIELCh color 87, 2.593, 7.751.

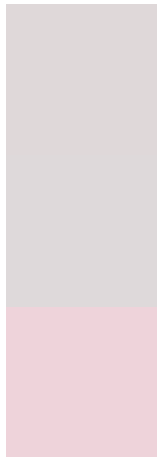


This preview shows how white text looks on a background with the CIELCh color 87, 2.593, 7.751.

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

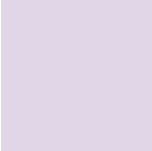
87, 2.593, 7.751

Protanopia

87, 1.887, 3.161

Deuteranopia

87, 10.531, 359.898



Tritanopia
87, 9.769, 314.320

Trichromacy



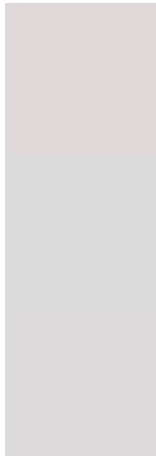
Original Color
87, 2.593, 7.751

Protanomaly
87, 1.887, 3.161

Deuteranomaly
87, 7.751, 0.265

Tritanomaly
87, 6.633, 319.535

Monochromacy



Original Color
87, 2.593, 7.751

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.211, 353.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 2.593, 7.751 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(223, 216, 217)` looks like.

```
.text, #text, p{  
    color:rgb(223, 216, 217)  
}
```

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(223, 216, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 216, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 2.593, 7.751 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(223, 216, 217) }
```

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

```
.border{ border-color:rgb(223, 216, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 216, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 216, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 216, 217);  
box-shadow:4px 4px 4px 4px rgb(223, 216,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 2.593, 7.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 216, 217) }
```

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

```
.background{ background-color: rgb(223,  
216, 217) }
```

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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