

Converting Colors

CIELCh(87, 2.704, 68.892)

Have a look what the booklet for
CIELCh(87, 2.704, 68.892) contains.

CIELCh(87, 2.751, 68.556)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(87, 2.751, 68.556)

Conversions

Conversions Part 1

Format	Color
Hex	DED9D5
RGB	222, 217, 213
RGB Percent	87%, 85%, 84%
CMY	0.1291, 0.1487, 0.1644
CMYK	0.00, 0.02, 0.04, 0.13
HSL	27°, 12%, 85%
HSV	27°, 4%, 87%
XYZ	66.9922, 70.0064, 72.9752
YIQ	218.0390, 4.2640, -0.1840

Conversions

Conversions Part 2

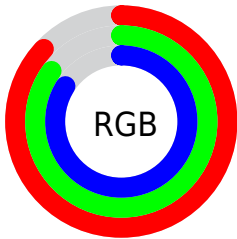
Format	Color
R _Y B	222, 220, 213
Decimal	14604757
CIE Lab	87.00, 1.01, 2.56
CIE LCh	87, 2.751, 68.556
Yxy	70.0064, 0.3191, 0.3334
Android (android.graphics.Color)	4292794837 (0xFFDED9D5)
YUV	218.0390, -2.4842, 3.4738
Hunter-Lab	83.6698, -3.5020, 6.8573

Details

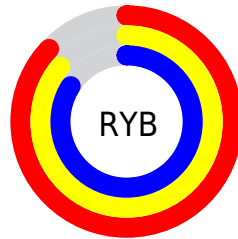
The CIELCh color **87, 2.751, 68.556** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 2.728, 249.855**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 2.912, 68.455** is the 20% darker color. If you saturate the color by 10%, you get **83, 9.819, 67.589**, and if you desaturate by 10%, it is **91, 3.951, 250.003**.

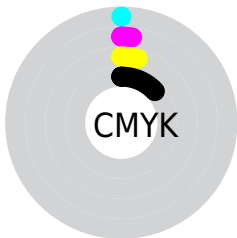
Distribution



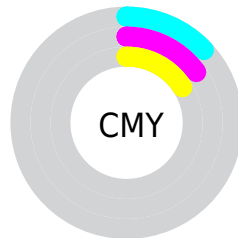
- Red (87%)
- Green (85%)
- Blue (84%)



- Red (87%)
- Yellow (86%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 2.751, 68.556 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, 2.751, 68.556 by changing the saturation by 10% instead.



87, 2.751, 68.556

87, 2.751, 68.556

83, 9.819, 67.589

91, 3.951, 250.003

80, 17.291, 66.473

94, 9.407, 245.840

76, 25.195, 65.354

98, 10.810,
201.364

73, 33.543, 64.247

98, 11.131,
198.763

70, 42.305, 63.151

66, 51.366, 62.041

63, 60.444, 60.841

61, 68.938, 59.372

58, 75.788, 57.282

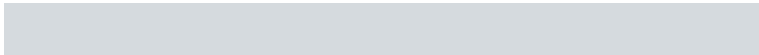
Harmonies

Complementary

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



87, 2.751, 68.556



87, 2.728, 249.855

Rectangle

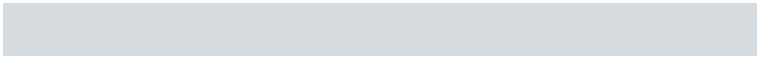
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



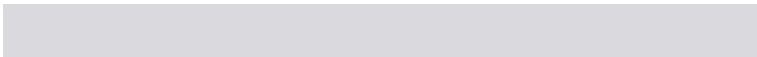
87, 2.751, 68.556



87, 2.751, 118.556



87, 2.751, 248.556



87, 2.751, 298.556

Sweetspot

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



87, 2.752, 68.606



100, 0.747, 68.452



86, 4.234, 340.440



53, 0.425, 68.422



0, 0.000, 0.000



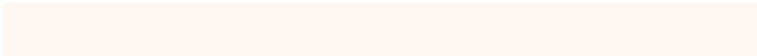
53, 0.007, 296.813

Same Dimension

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



87, 2.752, 68.606



98, 3.809, 68.527



88, 4.368, 106.934



46, 2.344, 68.470



45, 66.120, 56.427



11, 19.750, 54.096

Inverse Universe

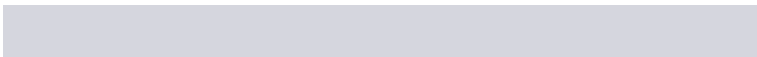
The Inverse Universe completely reimagines the original color for something new.



87, 2.728, 249.855



98, 3.760, 249.944



86, 4.420, 287.806



46, 2.308, 250.007



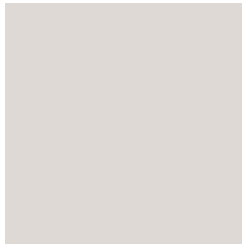
41, 48.724, 277.917



9, 17.303, 268.172

Previews

White Background



This preview shows how the CIELCh color 87, 2.751, 68.556 looks on a white background.

Color Contrast Check

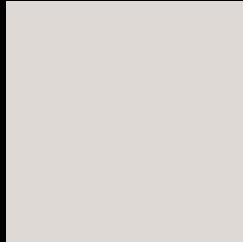
Large Text (above 18pt) WCAG AA × Fail

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, 2.751, 68.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

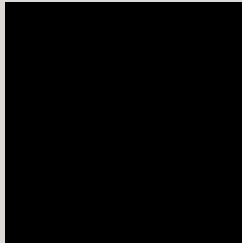
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

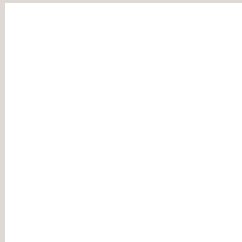
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 2.751, 68.556

Background



This preview shows how black text looks on a background with the CIELCh color 87, 2.751, 68.556.

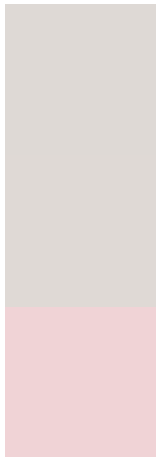


This preview shows how white text looks on a background with the CIELCh color 87, 2.751, 68.556.

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

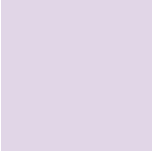
87, 2.751, 68.556

Protanopia

87, 3.003, 63.280

Deuteranopia

87, 10.798, 11.863



Tritanopia
87, 9.769, 314.320

Trichromacy



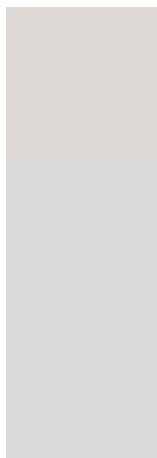
Original Color
87, 2.751, 68.556

Protanomaly
87, 3.003, 63.280

Deuteranomaly
87, 7.353, 15.811

Tritanomaly
87, 5.744, 324.613

Monochromacy



Original Color
87, 2.751, 68.556

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.092, 90.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 2.751, 68.556 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(222, 217, 213)` looks like.

```
.text, #text, p{  
    color:rgb(222, 217, 213)  
}
```

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(222, 217, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 217, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 2.751, 68.556 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(222, 217, 213) }
```

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

```
.border{ border-color:rgb(222, 217, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 217, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 217, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 217, 213);  
box-shadow:4px 4px 4px 4px rgb(222, 217,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 2.751, 68.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 217, 213) }
```

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

```
.background{ background-color: rgb(222,  
217, 213) }
```

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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