

Converting Colors

CIELCh(87, 1.959, 63.351)

Have a look what the booklet for
CIELCh(87, 1.959, 63.351) contains.

CIELCh(87, 1.773, 55.187)	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, 1.773, 55.187)

Conversions

Conversions Part 1

Format	Color
Hex	DDD9D7
RGB	221, 217, 215
RGB Percent	87%, 85%, 84%
CMY	0.1328, 0.1484, 0.1563
CMYK	0.00, 0.02, 0.03, 0.13
HSL	20°, 8%, 86%
HSV	20°, 3%, 87%
XYZ	66.9951, 70.0064, 74.3659
YIQ	217.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

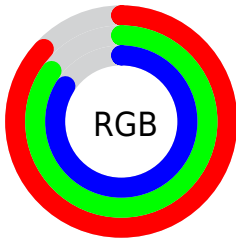
Format	Color
R _Y B	221, 218, 215
Decimal	14539223
CIE Lab	87.00, 1.01, 1.46
CIE LCh	87, 1.773, 55.187
Yxy	70.0064, 0.3170, 0.3312
Android (android.graphics.Color)	4292729303 (0xFFDDD9D7)
YUV	217.9680, -1.4632, 2.6591
Hunter-Lab	83.6698, -3.4958, 5.8718

Details

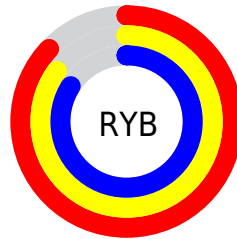
The CIELCh color **87, 1.773, 55.187** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 1.759, 236.298**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 1.876, 55.191** is the 20% darker color. If you saturate the color by 10%, you get **83, 8.620, 54.719**, and if you desaturate by 10%, it is **91, 4.621, 236.486**.

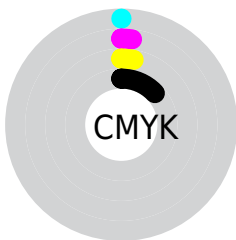
Distribution



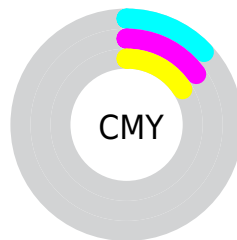
- Red (87%)
- Green (85%)
- Blue (84%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (13%)

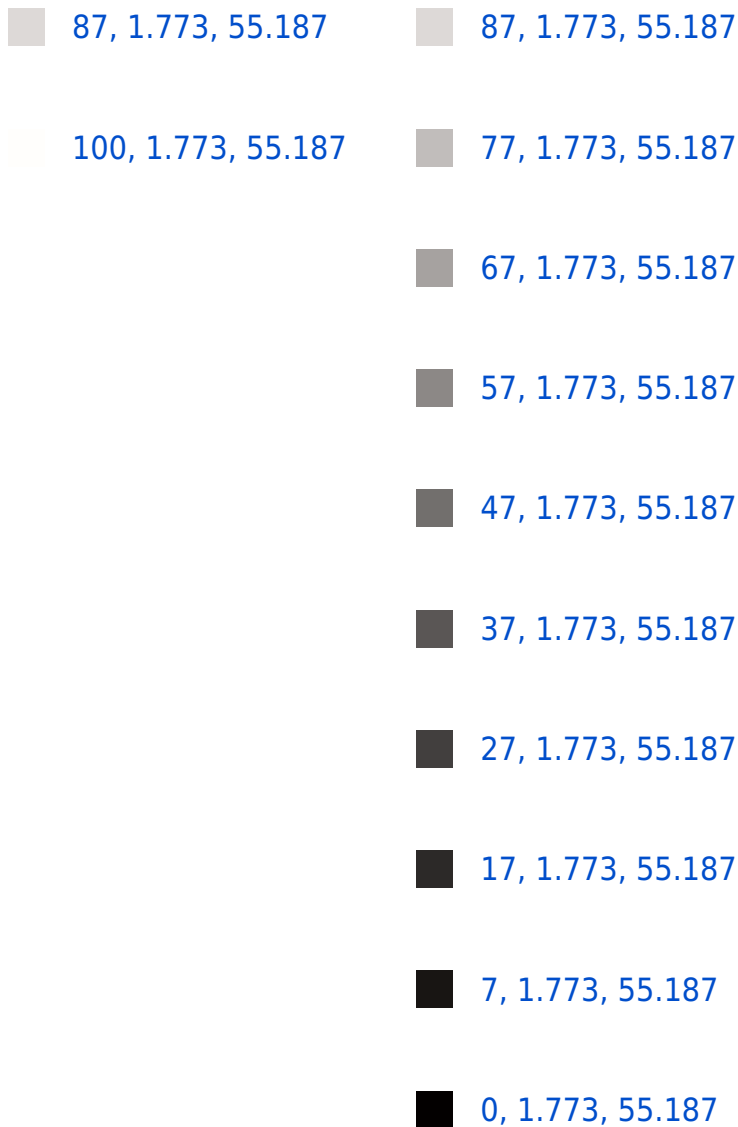


- Cyan (13%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 1.773, 55.187 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, 1.773, 55.187 by changing the saturation by 10% instead.



87, 1.773, 55.187

87, 1.773, 55.187

83, 8.620, 54.719

91, 4.621, 236.486

79, 15.972, 54.009

96, 9.516, 225.976

74, 23.875, 53.346

98, 11.432,
198.742

70, 32.360, 52.759

67, 41.425, 52.262

63, 50.997, 51.848

60, 60.862, 51.462

57, 70.505, 50.936

54, 78.861, 49.883

Harmonies

Complementary

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



87, 1.773, 55.187



87, 1.759, 236.298

Rectangle

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



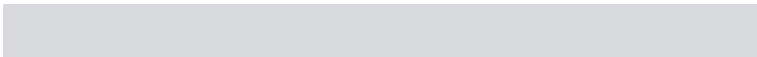
87, 1.773, 55.187



87, 1.773, 105.187



87, 1.773, 235.187



87, 1.773, 285.187

Sweetspot

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



87, 1.773, 55.266



100, 0.725, 54.893



87, 3.033, 335.730



53, 0.412, 54.855



0, 0.000, 0.000



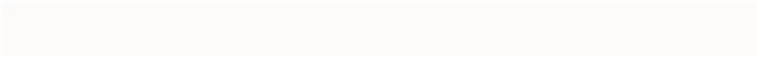
53, 0.007, 296.813

Same Dimension

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



87, 1.773, 55.266



99, 2.203, 55.272



88, 2.619, 101.981



45, 1.480, 55.266



41, 69.394, 49.330



8, 19.299, 41.857

Inverse Universe

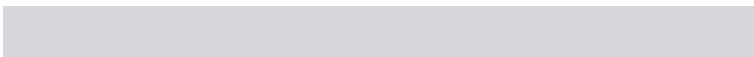
The Inverse Universe completely reimagines the original color for something new.



87, 1.759, 236.298



99, 2.181, 236.294



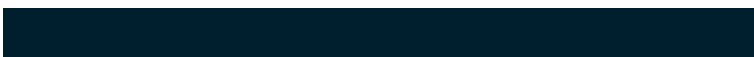
86, 2.647, 282.691



45, 1.458, 236.306



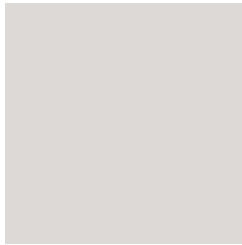
46, 38.742, 261.919



10, 14.199, 251.355

Previews

White Background



This preview shows how the CIELCh color 87, 1.773, 55.187 looks on a white background.

Color Contrast Check

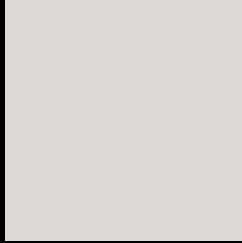
Large Text (above 18pt) WCAG AA × Fail

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, 1.773, 55.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

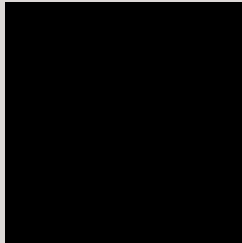
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

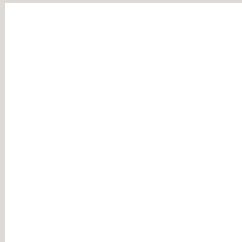
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 1.773, 55.187

Background



This preview shows how black text looks on a background with the CIELCh color 87, 1.773, 55.187.

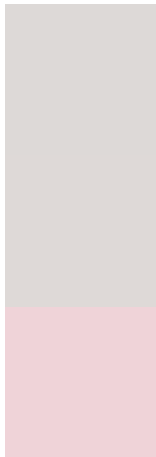


This preview shows how white text looks on a background with the CIELCh color 87, 1.773, 55.187.

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, 1.773, 55.187

Protanopia

87, 2.079, 49.336

Deuteranopia

87, 10.604, 5.954



Tritanopia
87, 9.497, 310.392

Trichromacy



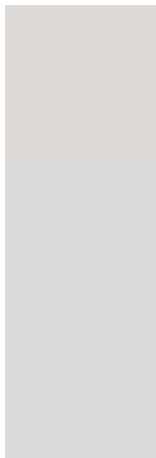
Original Color
87, 1.773, 55.187

Protanomaly
87, 2.079, 49.336

Deuteranomaly
87, 7.481, 7.829

Tritanomaly
87, 5.832, 315.883

Monochromacy



Original Color
87, 1.773, 55.187

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 0.623, 74.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 1.773, 55.187 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(221, 217, 215)` looks like.

```
.text, #text, p{  
    color:rgb(221, 217, 215)  
}
```

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(221, 217, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 217, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 1.773, 55.187 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(221, 217, 215) }
```

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

```
.border{ border-color:rgb(221, 217, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 217, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 217, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 217, 215); box-shadow:4px 4px 4px 4px rgb(221, 217, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 1.773, 55.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 217, 215) }
```

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

```
.background{ background-color: rgb(221,  
217, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor