

Converting Colors

CIELCh(87, 2.110, 8.408)

Have a look what the booklet for
CIELCh(87, 2.110, 8.408) contains.

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Color

CIELCh(87, 1.808, 19.211)

Conversions

Conversions Part 1

Format	Color
Hex	DED9D9
RGB	222, 217, 217
RGB Percent	87%, 85%, 85%
CMY	0.1303, 0.1499, 0.1499
CMYK	0.00, 0.02, 0.02, 0.13
HSL	0°, 7%, 86%
HSV	0°, 2%, 87%
XYZ	67.3096, 70.0064, 75.4616
YIQ	218.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

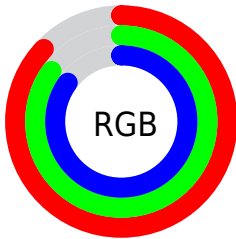
Format	Color
R _Y B	222, 217, 217
Decimal	14604761
CIE Lab	87.00, 1.71, 0.59
CIE LCh	87, 1.808, 19.211
Yxy	70.0064, 0.3163, 0.3290
Android (android.graphics.Color)	4292794841 (0xFFDED9D9)
YUV	218.4950, -0.7370, 3.0739
Hunter-Lab	83.6698, -2.8249, 5.0954

Details

The CIELCh color **87, 1.808, 19.211** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 1.779, 199.678**, 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, 1.911, 19.330** is the 20% darker color. If you saturate the color by 10%, you get **81, 10.212, 20.217**, and if you desaturate by 10%, it is **93, 5.963, 199.178**.

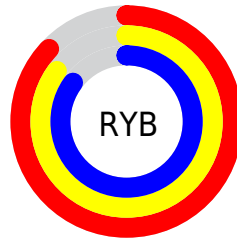
Distribution



Red (87%)

Green (85%)

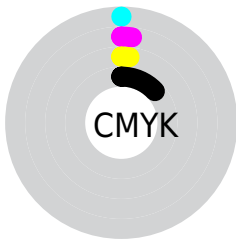
Blue (85%)



Red (87%)

Yellow (85%)

Blue (85%)

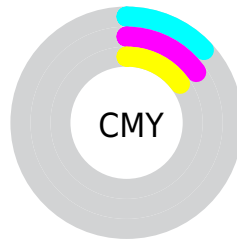


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (13%)



Cyan (13%)

Magenta (15%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 1.808, 19.211 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, 1.808, 19.211 by changing the saturation by 10% instead.



87, 1.808, 19.211

87, 1.808, 19.211

81, 10.212, 20.217

93, 5.963, 199.178

75, 19.289, 21.114

98, 11.224,
198.757

69, 29.033, 22.258

64, 39.376, 23.749

59, 50.158, 25.696

54, 61.112, 28.208

51, 71.858, 31.327

48, 81.834, 34.880

47, 89.887, 38.172

Harmonies

Complementary

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



87, 1.808, 19.211



88, 1.779, 199.678

Rectangle

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



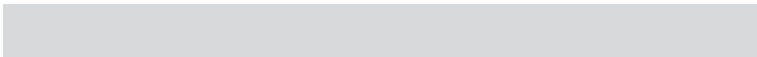
87, 1.808, 19.211



87, 1.808, 69.211



87, 1.808, 199.211



87, 1.808, 249.211

Sweetspot

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



87, 1.807, 19.273



99, 0.894, 18.789



87, 3.196, 324.478



53, 0.508, 18.748



0, 0.000, 0.000



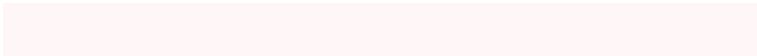
53, 0.007, 296.813

Same Dimension

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



87, 1.807, 19.273



98, 2.700, 19.404



88, 1.570, 74.895



45, 1.814, 19.499



36, 78.225, 39.937



5, 23.828, 20.304

Inverse Universe

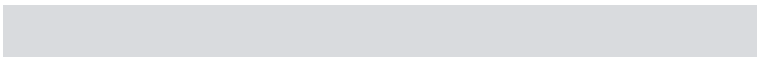
The Inverse Universe completely reimagines the original color for something new.



88, 1.779, 199.678



99, 2.648, 199.550



87, 1.577, 255.946



46, 1.771, 199.460



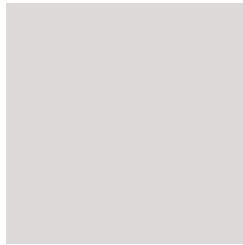
64, 37.491, 196.501



16, 15.060, 196.481

Previews

White Background



This preview shows how the CIELCh color 87, 1.808, 19.211 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, 1.808, 19.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

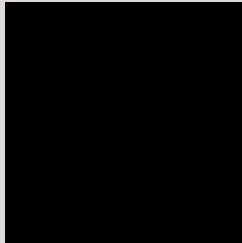
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

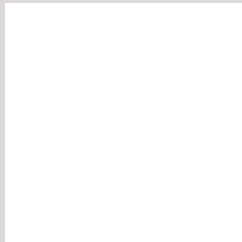
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 1.808, 19.211

Background



This preview shows how black text looks on a background with the CIELCh color 87, 1.808, 19.211.



This preview shows how white text looks on a background with the CIELCh color 87, 1.808, 19.211.

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
87, 9.007, 311.498

Trichromacy



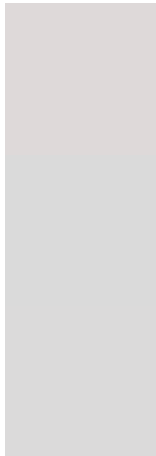
Original Color
87, 1.808, 19.211

Protanomaly
87, 1.808, 19.211

Deuteranomaly
87, 7.751, 0.265

Tritanomaly
87, 5.832, 315.883

Monochromacy



Original Color
87, 1.808, 19.211

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 0.361, 17.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 1.808, 19.211 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(222, 217, 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(222, 217, 217) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 87, 1.808, 19.211 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, 217) }
```

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

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

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, 217) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 87, 1.808, 19.211 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, 217) }
```

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

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