

Converting Colors

CIELCh(88, 1.426, 89.739)

Have a look what the booklet for
CIELCh(88, 1.426, 89.739) contains.

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Color

CIELCh(88, 1.590, 96.896)

Conversions

Conversions Part 1

Format	Color
Hex	DEDDDA
RGB	222, 221, 218
RGB Percent	87%, 87%, 85%
CMY	0.1307, 0.1346, 0.1464
CMYK	0.00, 0.00, 0.02, 0.13
HSL	45°, 6%, 86%
HSV	45°, 2%, 87%
XYZ	68.4084, 72.0653, 76.4128
YIQ	220.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

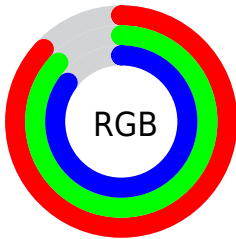
Format	Color
R _Y B	219, 222, 218
Decimal	14605786
CIE Lab	88.00, -0.19, 1.58
CIE LCh	88, 1.590, 96.896
Yxy	72.0653, 0.3154, 0.3323
Android (android.graphics.Color)	4292795866 (0xFFDEDDDA)
YUV	220.9570, -1.4578, 0.9147
Hunter-Lab	84.8913, -4.7181, 6.0555

Details

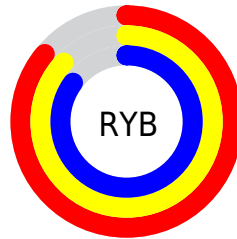
The CIELCh color **88, 1.590, 96.896** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 1.613, 277.632**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 1.680, 96.861** is the 20% darker color. If you saturate the color by 10%, you get **86, 10.538, 95.882**, and if you desaturate by 10%, it is **90, 7.239, 278.258**.

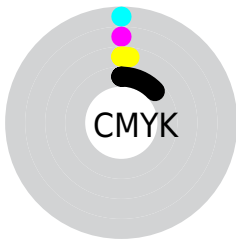
Distribution



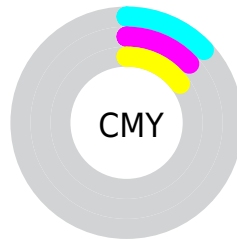
- Red (87%)
- Green (87%)
- Blue (85%)



- Red (86%)
- Yellow (87%)
- Blue (85%)



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

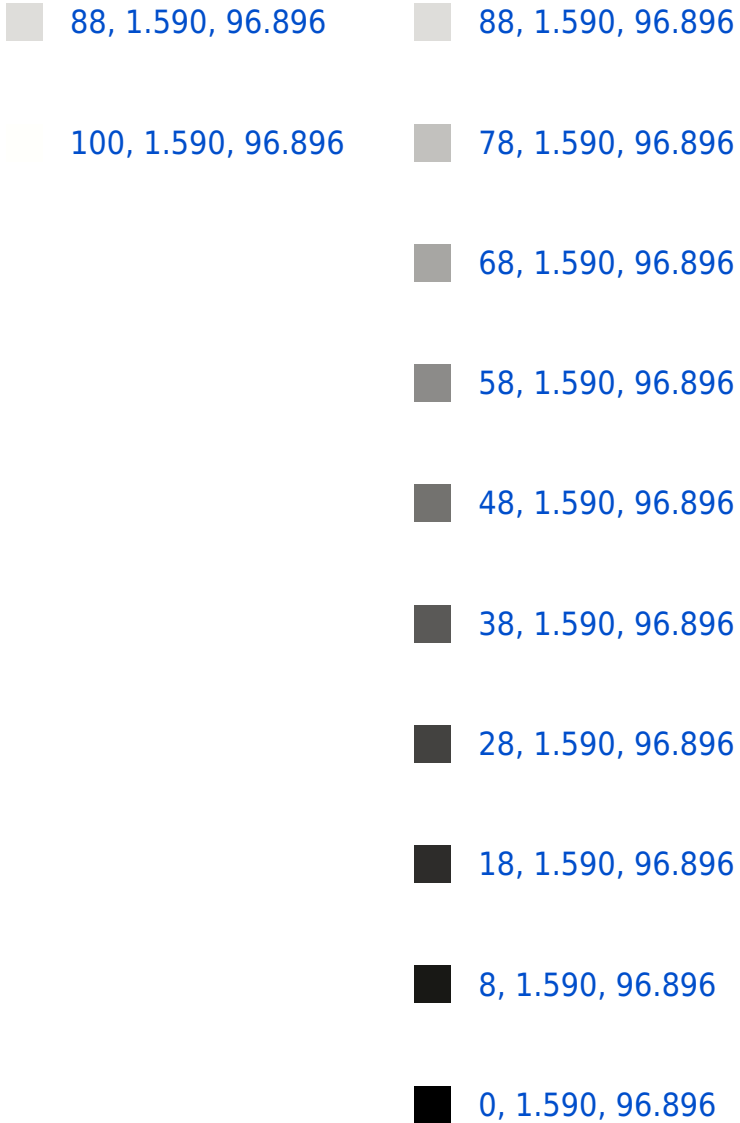


- Cyan (13%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 1.590, 96.896 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, 1.590, 96.896 by changing the saturation by 10% instead.



88, 1.590, 96.896

88, 1.590, 96.896

86, 10.538, 95.882

90, 7.239, 278.258

84, 19.585, 94.663

92, 12.443,
275.357

82, 28.696, 93.402

93, 10.449,
260.744

81, 37.800, 92.109

79, 46.762, 90.785

95, 9.384, 241.347

77, 55.342, 89.427

96, 9.543, 220.155

76, 63.129, 88.015

97, 10.855,
202.031

74, 69.492, 86.503

98, 11.258,
198.754

73, 73.653, 84.803

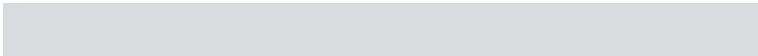
Harmonies

Complementary

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



88, 1.590, 96.896



87, 1.613, 277.632

Rectangle

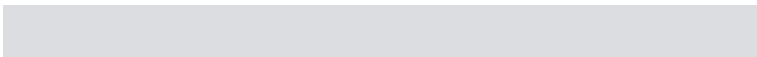
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 1.590, 96.896



88, 1.590, 146.896



88, 1.590, 276.896



88, 1.590, 326.896

Sweetspot

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



88, 1.592, 96.962



100, 0.983, 96.954



87, 1.542, 359.337



53, 0.559, 96.948



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, 1.592, 96.962



100, 1.979, 96.951



88, 2.108, 119.814



46, 0.994, 96.958



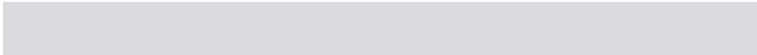
57, 62.827, 83.609



14, 20.824, 86.821

Inverse Universe

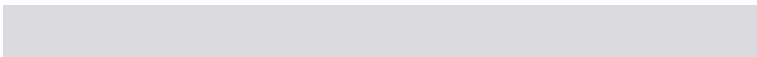
The Inverse Universe completely reimagines the original color for something new.



87, 1.613, 277.632



99, 2.003, 277.644



87, 2.135, 300.005



46, 1.006, 277.636



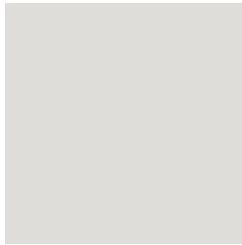
26, 82.342, 300.505



4, 24.565, 288.686

Previews

White Background



This preview shows how the CIELCh color 88, 1.590, 96.896 looks on a white background.

Color Contrast Check

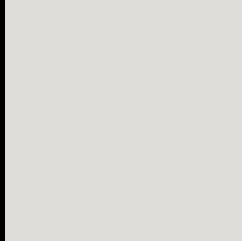
Large Text (above 18pt) WCAG AA × Fail

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, 1.590, 96.896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

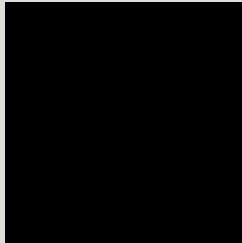
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

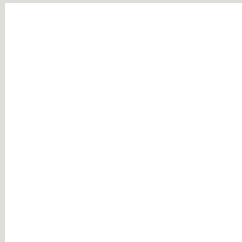
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 1.590, 96.896

Background



This preview shows how black text looks on a background with the CIELCh color 88, 1.590, 96.896.

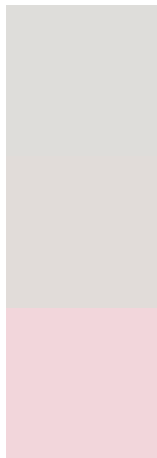


This preview shows how white text looks on a background with the CIELCh color 88, 1.590, 96.896.

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

88, 1.590, 96.896

Protanopia

88, 2.375, 60.303

Deuteranopia

88, 10.575, 5.939



Tritanopia
88, 9.166, 304.157

Trichromacy



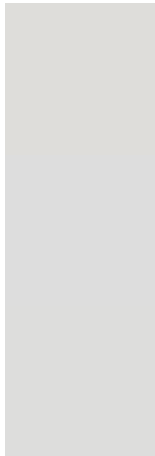
Original Color
88, 1.590, 96.896

Protanomaly
88, 2.113, 66.755

Deuteranomaly
88, 7.101, 7.161

Tritanomaly
88, 5.438, 305.699

Monochromacy



Original Color
88, 1.590, 96.896

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 0.511, 109.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 1.590, 96.896 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, 221, 218)` looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 218)  
}
```

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, 221, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 1.590, 96.896 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, 221, 218) }
```

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

```
.border{ border-color:rgb(222, 221, 218) }
```

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

Here you see how a box with a 4 pixel rgb(222, 221, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 218);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 1.590, 96.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 221, 218) }
```

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

```
.background{ background-color: rgb(222,  
221, 218) }
```

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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