

Converting Colors

CIELCh(88, 13.090, 88.282)

Have a look what the booklet for
CIELCh(88, 13.090, 88.282) contains.

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Color

CIELCh(88, 13.264, 89.151)

Conversions

Conversions Part 1

Format	Color
Hex	E8DCC4
RGB	232, 220, 196
RGB Percent	91%, 86%, 77%
CMY	0.0916, 0.1386, 0.2327
CMYK	0.00, 0.05, 0.16, 0.09
HSL	40°, 44%, 84%
HSV	40°, 16%, 91%
XYZ	68.5860, 72.0653, 62.3117
YIQ	220.8520, 14.8560, -4.9200

Conversions

Conversions Part 2

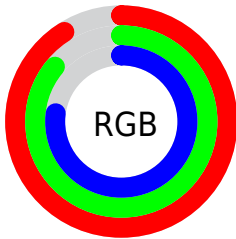
Format	Color
R_{YB}	214, 232, 196
Decimal	15260868
CIE _{Lab}	88.00, 0.20, 13.26
CIE _{LCh}	88, 13.264, 89.151
Yxy	72.0653, 0.3379, 0.3551
Android (android.graphics.Color)	4293450948 (0xFFE8DCC4)
YUV	220.8520, -12.2520, 9.7768
Hunter-Lab	84.8913, -4.3446, 15.9040

Details

The CIELCh color **88, 13.264, 89.151** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 13.228, 273.298**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.003, 110.026**, and **68, 13.362, 89.492** is the 20% darker color. If you saturate the color by 10%, you get **86, 22.037, 87.854**, and if you desaturate by 10%, it is **90, 4.670, 90.396**.

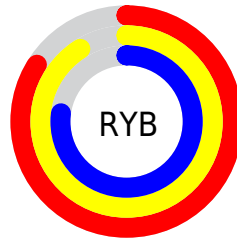
Distribution



Red (91%)

Green (86%)

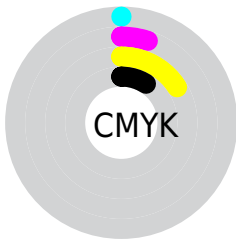
Blue (77%)



Red (84%)

Yellow (91%)

Blue (77%)

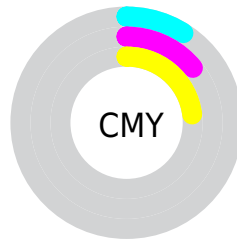


Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (9%)



Cyan (9%)

Magenta (14%)

Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 13.264, 89.151 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, 13.264, 89.151 by changing the saturation by 10% instead.

 88, 13.264, 89.151

 88, 13.264, 89.151

 100, 13.264,
89.151

 78, 13.264, 89.151

 68, 13.264, 89.151

 58, 13.264, 89.151

 48, 13.264, 89.151

 38, 13.264, 89.151

 28, 13.264, 89.151

 18, 13.264, 89.151

 8, 13.264, 89.151

 0, 13.264, 89.151

88, 13.264, 89.151

88, 13.264, 89.151

86, 22.037, 87.854

90, 4.670, 90.396

83, 30.960, 86.501

93, 3.743, 271.751

81, 39.968, 85.107

95, 7.263, 259.054

79, 48.924, 83.665

97, 6.794, 218.846

77, 57.565, 82.152

98, 7.975, 198.984

74, 65.417, 80.513

72, 71.727, 78.635

71, 75.599, 76.334

70, 76.733, 75.203

Harmonies

Complementary

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



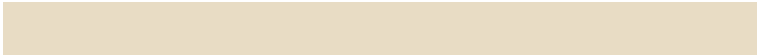
88, 13.264, 89.151



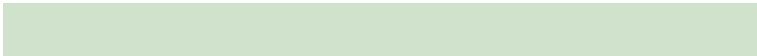
83, 13.228, 273.298

Rectangle

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



88, 13.264, 89.151



88, 13.264, 139.151



88, 13.264, 269.151



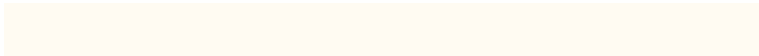
88, 13.264, 319.151

Sweetspot

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



88, 13.265, 89.161



99, 4.556, 90.454



82, 14.731, 355.189



52, 3.112, 90.374



0, 0.000, 0.000



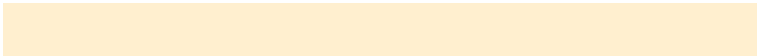
53, 0.007, 296.813

Same Dimension

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



88, 13.265, 89.161



95, 17.606, 88.701



91, 18.684, 115.579



47, 4.779, 89.928



55, 63.157, 75.736



15, 22.091, 78.548

Inverse Universe

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



83, 13.228, 273.298



88, 17.536, 273.862



81, 19.330, 297.948



45, 4.778, 272.411



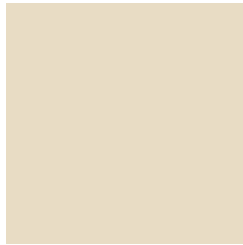
30, 74.670, 296.518



6, 25.474, 287.779

Previews

White Background



This preview shows how the CIELCh color 88, 13.264, 89.151 looks on a white background.

Color Contrast Check

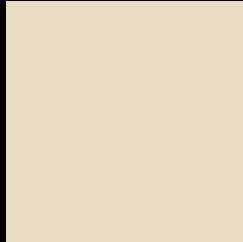
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 88, 13.264, 89.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

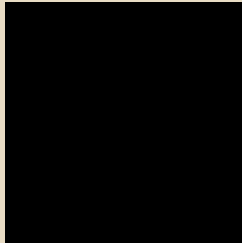
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

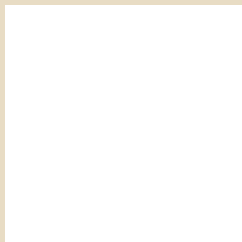
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 13.264, 89.151

Background



This preview shows how black text looks on a background with the CIELCh color 88, 13.264, 89.151.

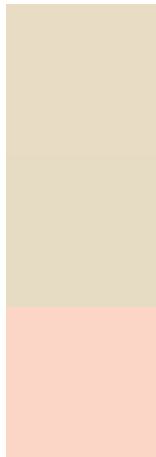


This preview shows how white text looks on a background with the CIELCh color 88, 13.264, 89.151.

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, 13.264, 89.151

Protanopia

88, 13.024, 92.297

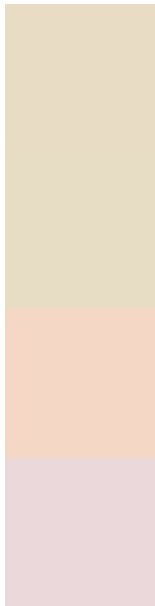
Deuteranopia

88, 16.802, 49.763



Tritanopia
88, 11.903, 332.067

Trichromacy



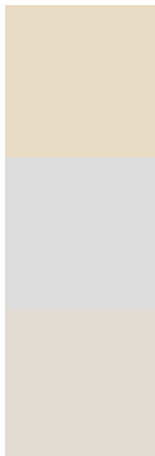
Original Color
88, 13.264, 89.151

Protanomaly
88, 13.138, 90.710

Deuteranomaly
88, 14.514, 59.936

Tritanomaly
88, 6.648, 10.808

Monochromacy



Original Color
88, 13.264, 89.151

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.891, 92.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 13.264, 89.151 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(232, 220, 196)` looks like.

```
.text, #text, p{  
    color:rgb(232, 220, 196)  
}
```

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(232, 220, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 220, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 13.264, 89.151 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(232, 220, 196) }
```

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

```
.border{ border-color:rgb(232, 220, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 220, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 220, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 220, 196); box-shadow:4px 4px 4px 4px rgb(232, 220, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 13.264, 89.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 220, 196) }
```

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

```
.background{ background-color: rgb(232,  
220, 196) }
```

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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