

Converting Colors

CIELCh(89, 6.147, 33.494)

Have a look what the booklet for
CIELCh(89, 6.147, 33.494) contains.

CIELCh(89, 6.045, 34.613)	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(89, 6.045, 34.613)

Conversions

Conversions Part 1

Format	Color
Hex	ECDCD9
RGB	236, 220, 217
RGB Percent	93%, 86%, 85%
CMY	0.0738, 0.1365, 0.1483
CMYK	0.00, 0.07, 0.08, 0.07
HSL	9°, 34%, 89%
HSV	9°, 8%, 93%
XYZ	72.8411, 74.1641, 76.2438
YIQ	224.4420, 10.4990, 2.4590

Conversions

Conversions Part 2

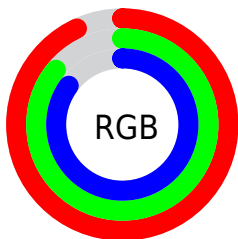
Format	Color
R _Y B	236, 221, 217
Decimal	15523033
CIE Lab	89.00, 4.98, 3.43
CIE LCh	89, 6.045, 34.613
Yxy	74.1641, 0.3263, 0.3322
Android (android.graphics.Color)	4293713113 (0xFFEBCD9)
YUV	224.4420, -3.6689, 10.1364
Hunter-Lab	86.1186, 0.2718, 7.7915

Details

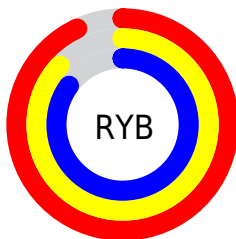
The CIELCh color **89, 6.045, 34.613** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 5.742, 214.909**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 6.033, 35.573** is the 20% darker color. If you saturate the color by 10%, you get **84, 14.135, 34.797**, and if you desaturate by 10%, it is **95, 1.411, 215.193**.

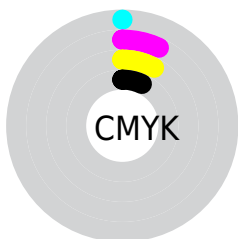
Distribution



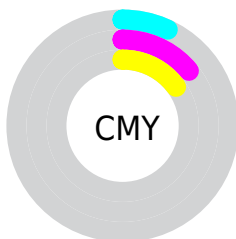
- Red (93%)
- Green (86%)
- Blue (85%)



- Red (93%)
- Yellow (87%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (8%)
- Black (7%)















- Cyan (7%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 6.045, 34.613 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 89, 6.045, 34.613 by changing the saturation by 10% instead.

 89, 6.045, 34.613	 89, 6.045, 34.613
 100, 6.045, 34.613	 79, 6.045, 34.613
	 69, 6.045, 34.613
	 59, 6.045, 34.613
	 49, 6.045, 34.613
	 39, 6.045, 34.613
	 29, 6.045, 34.613
	 19, 6.045, 34.613
	 9, 6.045, 34.613
	 0, 6.045, 34.613

89, 6.045, 34.613

89, 6.045, 34.613

84, 14.135, 34.797

95, 1.411, 215.193

78, 22.916, 35.063

99, 6.453, 199.099

73, 32.416, 35.513

68, 42.625, 36.201

64, 53.466, 37.173

60, 64.747, 38.443

56, 76.058, 39.931

53, 86.487, 41.310

51, 94.292, 41.899

Harmonies

Complementary

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



89, 6.045, 34.613



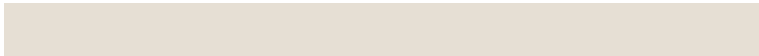
91, 5.742, 214.909

Rectangle

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



89, 6.045, 34.613



89, 6.045, 84.613



89, 6.045, 214.613



89, 6.045, 264.613

Sweetspot

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



89, 6.044, 34.636



99, 1.558, 34.310



89, 10.850, 329.294



53, 0.886, 34.288



0, 0.000, 0.000



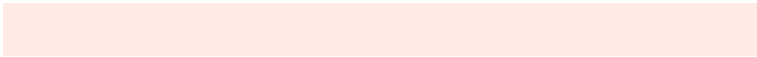
53, 0.007, 296.813

Same Dimension

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



89, 6.044, 34.636



94, 8.060, 34.668



91, 6.805, 88.720



46, 4.269, 34.659



39, 77.954, 42.379



9, 25.553, 31.670

Inverse Universe

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



91, 5.742, 214.909



97, 7.554, 214.915



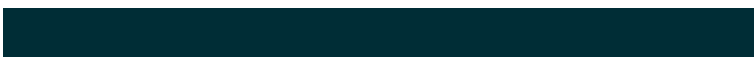
89, 6.798, 270.865



48, 4.017, 214.912



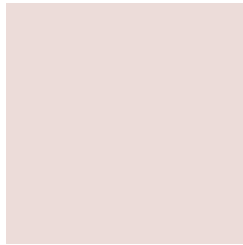
58, 33.673, 226.368



16, 14.491, 221.406

Previews

White Background



This preview shows how the CIELCh color 89, 6.045, 34.613 looks on a white background.

Color Contrast Check

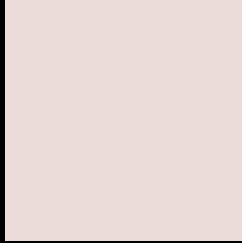
Large Text (above 18pt) WCAG AA × Fail

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 89, 6.045, 34.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

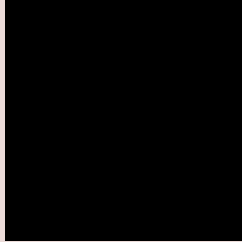
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

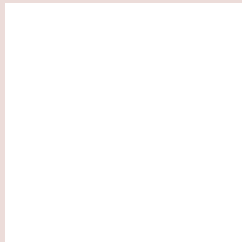
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 6.045, 34.613

Background



This preview shows how black text looks on a background with the CIELCh color 89, 6.045, 34.613.

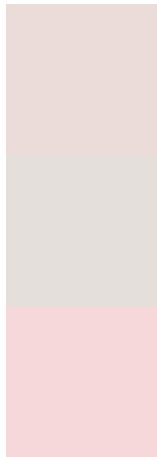


This preview shows how white text looks on a background with the CIELCh color 89, 6.045, 34.613.

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

89, 6.045, 34.613

Protanopia

89, 2.987, 63.287

Deuteranopia

89, 11.448, 15.016



Tritanopia
89, 11.632, 330.712

Trichromacy



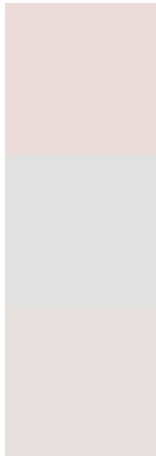
Original Color
89, 6.045, 34.613

Protanomaly
89, 4.173, 49.294

Deuteranomaly
89, 9.171, 20.004

Tritanomaly
89, 8.611, 342.859

Monochromacy



Original Color
89, 6.045, 34.613

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 2.217, 32.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 6.045, 34.613 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(236, 220, 217)` looks like.

```
.text, #text, p{  
    color:rgb(236, 220, 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(236, 220, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 220, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 6.045, 34.613 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(236, 220, 217) }
```

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

```
.border{ border-color:rgb(236, 220, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 220, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 220, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 220, 217); box-shadow:4px 4px 4px 4px rgb(236, 220, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 6.045, 34.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 220, 217) }
```

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

```
.background{ background-color: rgb(236,  
220, 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](#).

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