

Converting Colors

CIELCh(89, 19.240, 89.704)

Have a look what the booklet for
CIELCh(89, 19.240, 89.704) contains.

CIELCh(89, 19.163, 89.943)	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, 19.163, 89.943)

Conversions

Conversions Part 1

Format	Color
Hex	EEDEBB
RGB	238, 222, 187
RGB Percent	93%, 87%, 73%
CMY	0.0658, 0.1286, 0.2659
CMYK	0.00, 0.07, 0.21, 0.07
HSL	41°, 60%, 83%
HSV	41°, 21%, 93%
XYZ	70.4997, 74.1641, 57.7273
YIQ	222.7940, 20.7710, -7.4930

Conversions

Conversions Part 2

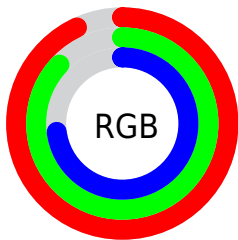
Format	Color
R _Y B	210, 238, 187
Decimal	15654587
CIE Lab	89.00, 0.02, 19.16
CIE LCh	89, 19.163, 89.943
Yxy	74.1641, 0.3483, 0.3664
Android (android.graphics.Color)	4293844667 (0xFFEEDBB)
YUV	222.7940, -17.6464, 13.3357
Hunter-Lab	86.1186, -4.5812, 20.5396

Details

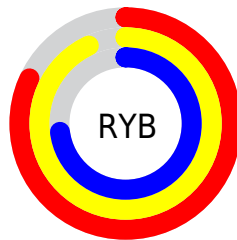
The CIELCh color `89, 19.163, 89.943` is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be `82, 19.169, 275.746`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 6.073, 109.711`, and `69, 19.064, 89.449` is the 20% darker color. If you saturate the color by 10%, you get `87, 28.359, 88.626`, and if you desaturate by 10%, it is `91, 10.114, 91.226`.

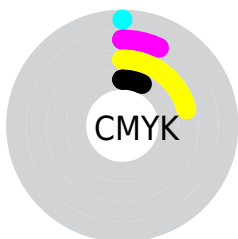
Distribution



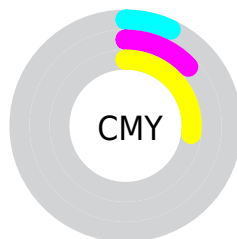
- Red (93%)
- Green (87%)
- Blue (73%)



- Red (82%)
- Yellow (93%)
- Blue (73%)



- Cyan (0%)
- Magenta (7%)
- Yellow (21%)
- Black (7%)



- Cyan (7%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 19.163, 89.943 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, 19.163, 89.943 by changing the saturation by 10% instead.

89, 19.163, 89.943

89, 19.163, 89.943

100, 19.163,
89.943

79, 19.163, 89.943

69, 19.163, 89.943

59, 19.163, 89.943

49, 19.163, 89.943

39, 19.163, 89.943

29, 19.163, 89.943

19, 19.163, 89.943

9, 19.163, 89.943

0, 19.163, 89.943

89, 19.163, 89.943

89, 19.163, 89.943

87, 28.359, 88.626

91, 10.114, 91.226

84, 37.646, 87.261

94, 1.231, 92.284

82, 46.909, 85.853

96, 5.719, 267.938

80, 55.930, 84.390

98, 4.970, 216.581

78, 64.308, 82.837

99, 5.768, 199.155

76, 71.383, 81.115

74, 76.262, 79.084

73, 78.481, 77.023

Harmonies

Complementary

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



89, 19.163, 89.943



82, 19.169, 275.746

Rectangle

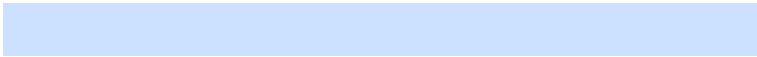
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 19.163, 89.943



89, 19.163, 139.943



89, 19.163, 269.943



89, 19.163, 319.943

Sweetspot

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



89, 19.164, 89.951



98, 5.585, 91.879



81, 20.813, 357.013



52, 3.708, 91.802



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, 19.164, 89.951



93, 24.695, 89.336



92, 26.334, 115.834



49, 5.051, 91.465



57, 64.601, 77.512



17, 24.853, 80.356

Inverse Universe

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



82, 19.169, 275.746



84, 24.702, 276.562



78, 27.604, 299.088



47, 5.060, 273.930



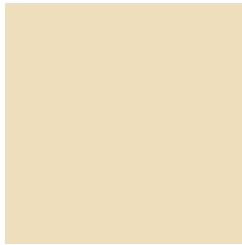
30, 78.766, 297.645



6, 28.922, 290.933

Previews

White Background



This preview shows how the CIELCh color 89, 19.163, 89.943 looks on a white background.

Color Contrast Check

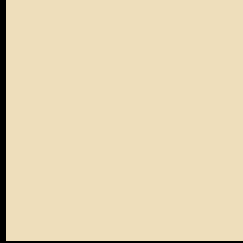
Large Text (above 18pt) WCAG AA × Fail

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, 19.163, 89.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

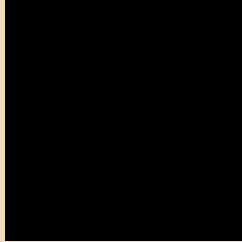
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 19.163, 89.943

Background



This preview shows how black text looks on a background with the CIELCh color 89, 19.163, 89.943.

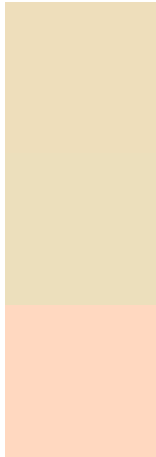


This preview shows how white text looks on a background with the CIELCh color 89, 19.163, 89.943.

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, 19.163, 89.943

Protanopia

89, 18.801, 93.302

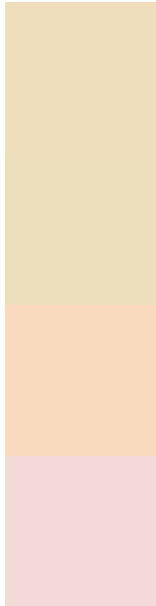
Deuteranopia

89, 19.650, 59.203



Tritanopia
89, 13.406, 339.143

Trichromacy



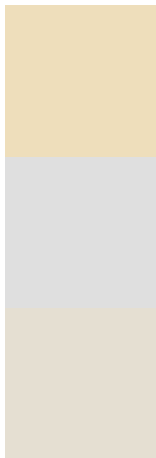
Original Color
89, 19.163, 89.943

Protanomaly
89, 18.909, 92.174

Deuteranomaly
89, 18.900, 69.742

Tritanomaly
89, 8.886, 26.654

Monochromacy



Original Color
89, 19.163, 89.943

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 7.082, 91.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 19.163, 89.943 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(238, 222, 187)` looks like.

```
.text, #text, p{  
    color:rgb(238, 222, 187)  
}
```

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(238, 222, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 222, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 19.163, 89.943 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(238, 222, 187) }
```

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

```
.border{ border-color:rgb(238, 222, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 222, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 222, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 222, 187);  
box-shadow:4px 4px 4px 4px rgb(238, 222,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 19.163, 89.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 222, 187) }
```

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

```
.background{ background-color: rgb(238,  
222, 187) }
```

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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