

Converting Colors

CIELCh(89, 16.719, 96.249)

Have a look what the booklet for
CIELCh(89, 16.719, 96.249) contains.

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Color

CIELCh(89, 16.504, 95.523)

Conversions

Conversions Part 1

Format	Color
Hex	E9DFC0
RGB	233, 223, 192
RGB Percent	91%, 87%, 75%
CMY	0.0849, 0.1241, 0.2457
CMYK	0.00, 0.04, 0.18, 0.08
HSL	45°, 49%, 83%
HSV	45°, 18%, 92%
XYZ	69.7512, 74.1641, 60.7038
YIQ	222.4560, 15.9110, -7.5210

Conversions

Conversions Part 2

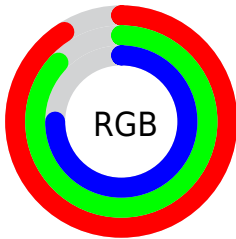
Format	Color
R _Y B	205, 233, 192
Decimal	15327168
CIE Lab	89.00, -1.59, 16.43
CIE LCh	89, 16.504, 95.523
Yxy	74.1641, 0.3409, 0.3624
Android (android.graphics.Color)	4293517248 (0xFFE9DFC0)
YUV	222.4560, -15.0148, 9.2471
Hunter-Lab	86.1186, -6.1327, 18.4903

Details

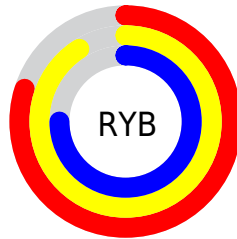
The CIELCh color **89, 16.504, 95.523** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **82, 16.719, 279.982**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **69, 16.778, 95.907** is the 20% darker color. If you saturate the color by 10%, you get **87, 26.024, 94.288**, and if you desaturate by 10%, it is **91, 7.068, 96.725**.

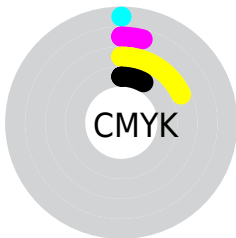
Distribution



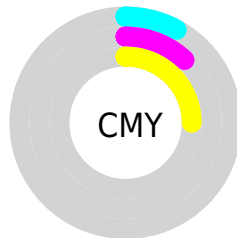
- Red (91%)
- Green (87%)
- Blue (75%)



- Red (80%)
- Yellow (91%)
- Blue (75%)



- Cyan (0%)
- Magenta (4%)
- Yellow (18%)
- Black (8%)



- Cyan (8%)
- Magenta (12%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 16.504, 95.523 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, 16.504, 95.523 by changing the saturation by 10% instead.

 89, 16.504, 95.523

 89, 16.504, 95.523

 100, 16.504,
95.523

 79, 16.504, 95.523

 69, 16.504, 95.523

 59, 16.504, 95.523

 49, 16.504, 95.523

 39, 16.504, 95.523

 29, 16.504, 95.523

 19, 16.504, 95.523

 9, 16.504, 95.523

 0, 16.504, 95.523

89, 16.504, 95.523

89, 16.504, 95.523

87, 26.024, 94.288

91, 7.068, 96.725

85, 35.566, 93.009

93, 2.261, 278.012

83, 45.019, 91.701

95, 7.831, 272.808

82, 54.182, 90.364

96, 6.243, 246.229

80, 62.701, 88.985

98, 6.485, 213.741

79, 70.010, 87.533

98, 7.403, 199.026

77, 75.330, 85.941

76, 78.008, 84.108

75, 78.456, 83.646

Harmonies

Complementary

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



89, 16.504, 95.523



82, 16.719, 279.982

Rectangle

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



89, 16.504, 95.523



89, 16.504, 145.523



89, 16.504, 275.523



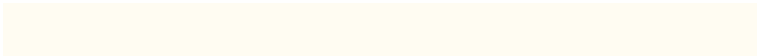
89, 16.504, 325.523

Sweetspot

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



89, 16.505, 95.531



99, 5.001, 97.012



82, 16.220, 1.276



53, 3.414, 96.934



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, 16.505, 95.531



96, 21.233, 95.097



91, 21.462, 118.806



48, 5.330, 96.505



60, 64.963, 84.009



17, 24.818, 86.801

Inverse Universe

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



82, 16.719, 279.982



86, 21.563, 280.529



80, 22.248, 301.126



46, 5.374, 278.841



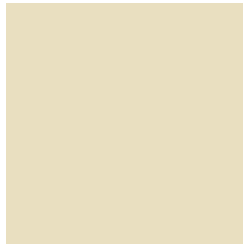
27, 85.847, 300.811



5, 29.650, 292.403

Previews

White Background



This preview shows how the CIELCh color 89, 16.504, 95.523 looks on a white background.

Color Contrast Check

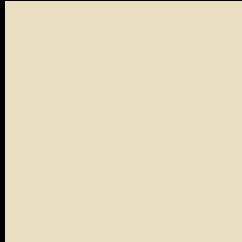
Large Text (above 18pt) WCAG AA × Fail

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, 16.504, 95.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

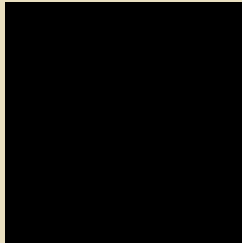
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

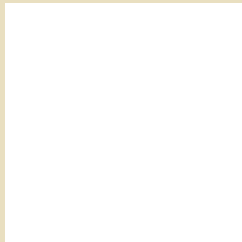
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.504, 95.523

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.504, 95.523.

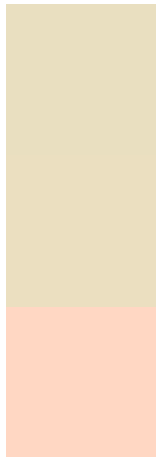


This preview shows how white text looks on a background with the CIELCh color 89, 16.504, 95.523.

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, 16.504, 95.523

Protanopia

89, 16.697, 92.964

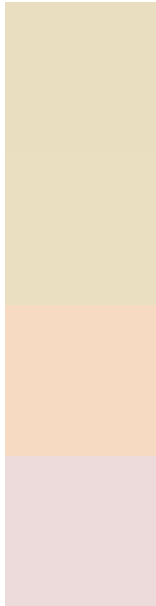
Deuteranopia

89, 18.642, 53.866



Tritanopia
89, 11.874, 332.059

Trichromacy



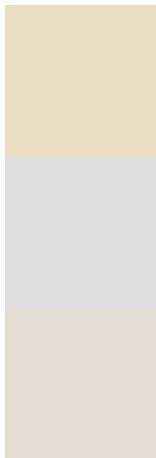
Original Color
89, 16.504, 95.523

Protanomaly
89, 16.596, 94.237

Deuteranomaly
89, 16.747, 67.631

Tritanomaly
89, 6.563, 19.787

Monochromacy



Original Color
89, 16.504, 95.523

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 5.880, 95.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.504, 95.523 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(233, 223, 192)` looks like.

```
.text, #text, p{  
    color:rgb(233, 223, 192)  
}
```

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(233, 223, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 223, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.504, 95.523 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(233, 223, 192) }
```

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

```
.border{ border-color:rgb(233, 223, 192) }
```

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

Here you see how a box with a 4 pixel rgb(233, 223, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 223, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 223, 192);  
box-shadow:4px 4px 4px 4px rgb(233, 223,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.504, 95.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 223, 192) }
```

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

```
.background{ background-color: rgb(233,  
223, 192) }
```

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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