

Converting Colors

CIELCh(87, 38.496, 95.349)

Have a look what the booklet for
CIELCh(87, 38.496, 95.349) contains.

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Color

CIELCh(87, 38.466, 95.368)

Conversions

Conversions Part 1

Format	Color
Hex	EDDA91
RGB	237, 218, 145
RGB Percent	93%, 85%, 57%
CMY	0.0716, 0.1461, 0.4323
CMYK	0.00, 0.08, 0.39, 0.07
HSL	48°, 72%, 75%
HSV	48°, 39%, 93%
XYZ	64.9341, 70.0064, 36.7807
YIQ	215.3590, 34.7570, -18.6750

Conversions

Conversions Part 2

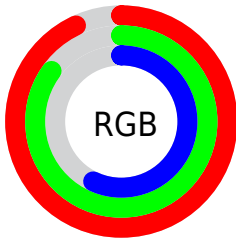
Format	Color
R _{YB}	169, 237, 145
Decimal	15587985
CIE Lab	87.00, -3.60, 38.30
CIE LCh	87, 38.466, 95.368
Yxy	70.0064, 0.3781, 0.4077
Android (android.graphics.Color)	4293778065 (0xFFEDDA91)
YUV	215.3590, -34.6870, 18.9792
Hunter-Lab	83.6698, -7.8928, 32.5054

Details

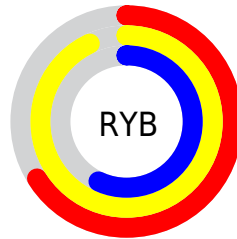
The CIELCh color $87, 38.466, 95.368$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $68, 40.331, 286.015$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 27.734, 108.071$, and $67, 38.557, 95.013$ is the 20% darker color. If you saturate the color by 10%, you get $85, 48.204, 94.117$, and if you desaturate by 10%, it is $89, 28.556, 96.608$.

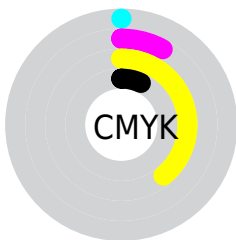
Distribution



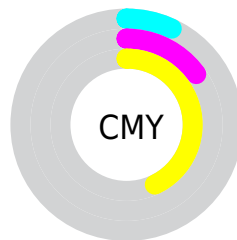
- Red (93%)
- Green (85%)
- Blue (57%)



- Red (66%)
- Yellow (93%)
- Blue (57%)



- Cyan (0%)
- Magenta (8%)
- Yellow (39%)
- Black (7%)



- Cyan (7%)
- Magenta (15%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 38.466, 95.368 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 87, 38.466, 95.368 by changing the saturation by 10% instead.

■ 87, 38.466, 95.368

■ 87, 38.466, 95.368

■ 100, 38.466,
95.368

■ 77, 38.466, 95.368

■ 67, 38.466, 95.368

■ 57, 38.466, 95.368

■ 47, 38.466, 95.368

■ 37, 38.466, 95.368

■ 27, 38.466, 95.368

■ 17, 38.466, 95.368

■ 7, 38.466, 95.368

■ 0, 38.466, 95.368

87, 38.466, 95.368

87, 38.466, 95.368

85, 48.204, 94.117

89, 28.556, 96.608

84, 57.528, 92.845

90, 18.608, 97.816

82, 66.039, 91.552

92, 8.697, 98.983

81, 73.124, 90.218

94, 1.135, 280.306

80, 78.007, 88.795

95, 6.809, 274.777

79, 80.249, 87.215

97, 5.340, 248.920

78, 80.440, 87.030

98, 5.420, 215.894

99, 6.267, 199.114

Harmonies

Complementary

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



87, 38.466, 95.368



68, 40.331, 286.015

Rectangle

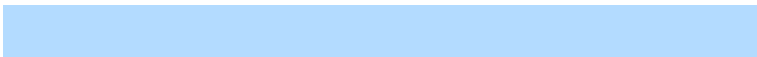
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 38.466, 95.368



87, 38.466, 145.368



87, 38.466, 275.368



87, 38.466, 325.368

Sweetspot

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



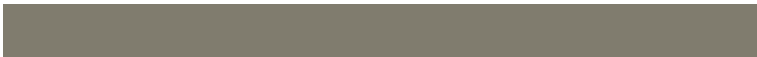
87, 38.467, 95.372



98, 12.545, 98.616



70, 37.414, 6.795



52, 8.326, 98.463



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 38.467, 95.372



92, 49.303, 94.326



90, 47.654, 118.857



48, 5.543, 98.914



61, 65.900, 87.341



18, 25.572, 89.921

Inverse Universe

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



68, 40.331, 286.015



68, 52.532, 287.841



66, 51.818, 304.082



46, 5.605, 281.178



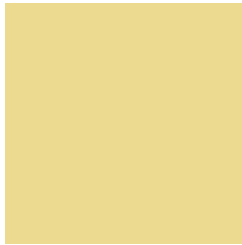
26, 89.754, 302.188



5, 30.654, 293.452

Previews

White Background



This preview shows how the CIELCh color 87, 38.466, 95.368 looks on a white background.

Color Contrast Check

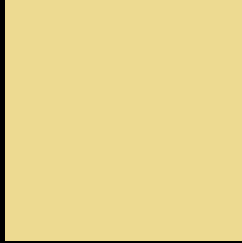
Large Text (above 18pt) WCAG AA × Fail

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 87, 38.466, 95.368 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 87, 38.466, 95.368

Background



This preview shows how black text looks on a background with the CIELCh color 87, 38.466, 95.368.

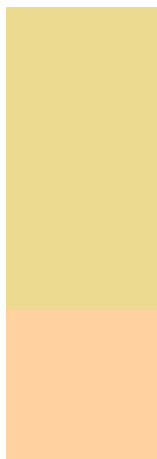


This preview shows how white text looks on a background with the CIELCh color 87, 38.466, 95.368.

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


87, 38.466, 95.368

Protanopia

87, 38.380, 95.965

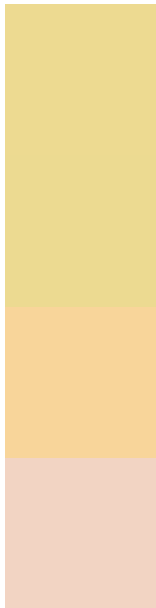
Deuteranopia

87, 32.063, 73.389



Tritanopia
87, 15.830, 348.824

Trichromacy



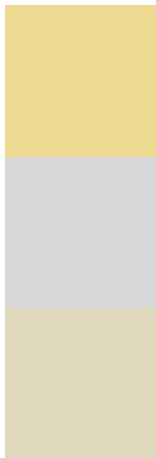
Original Color
87, 38.466, 95.368

Protanomaly
87, 38.380, 95.965

Deuteranomaly
87, 33.959, 82.831

Tritanomaly
87, 14.516, 57.455

Monochromacy



Original Color
87, 38.466, 95.368

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 14.324, 98.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 38.466, 95.368 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(237, 218, 145)` looks like.

```
.text, #text, p{  
    color:rgb(237, 218, 145)  
}
```

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(237, 218, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 218, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 38.466, 95.368 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(237, 218, 145) }
```

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

```
.border{ border-color:rgb(237, 218, 145) }
```

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

Here you see how a box with a 4 pixel rgb(237, 218, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 218, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 218, 145);  
box-shadow:4px 4px 4px 4px rgb(237, 218,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 38.466, 95.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 218, 145) }
```

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

```
.background{ background-color: rgb(237,  
218, 145) }
```

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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