

Converting Colors

CIELCh(87, 33.722, 96.498)

Have a look what the booklet for
CIELCh(87, 33.722, 96.498) contains.

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Color

CIELCh(87, 33.739, 96.365)

Conversions

Conversions Part 1

Format	Color
Hex	EADA9A
RGB	234, 218, 154
RGB Percent	92%, 85%, 60%
CMY	0.0821, 0.1449, 0.3959
CMYK	0.00, 0.07, 0.34, 0.08
HSL	48°, 66%, 76%
HSV	48°, 34%, 92%
XYZ	64.8714, 70.0064, 40.6871
YIQ	215.4880, 30.0800, -16.5120

Conversions

Conversions Part 2

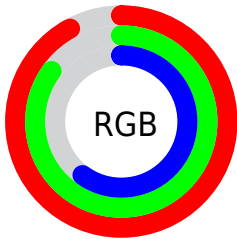
Format	Color
RYB	174, 234, 154
Decimal	15391386
CIELab	87.00, -3.74, 33.53
CIELCh	87, 33.739, 96.365
Yxy	70.0064, 0.3695, 0.3987
Android (android.graphics.Color)	4293581466 (0xFFEADA9A)
YUV	215.4880, -30.3136, 16.2350
Hunter-Lab	83.6698, -8.0266, 29.7372

Details

The CIELCh color **87, 33.739, 96.365** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **71, 35.173, 285.451**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **67, 33.689, 96.302** is the 20% darker color. If you saturate the color by 10%, you get **85, 43.532, 95.133**, and if you desaturate by 10%, it is **89, 23.840, 97.584**.

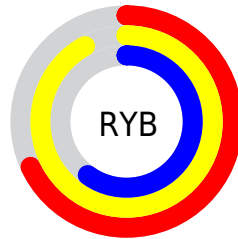
Distribution



Red (92%)

Green (85%)

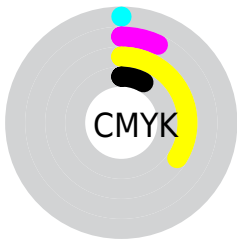
Blue (60%)



Red (68%)

Yellow (92%)

Blue (60%)

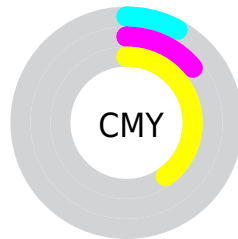


Cyan (0%)

Magenta (7%)

Yellow (34%)

Black (8%)



Cyan (8%)

Magenta (14%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 33.739, 96.365 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, 33.739, 96.365 by changing the saturation by 10% instead.

87, 33.739, 96.365

87, 33.739, 96.365

100, 33.739,
96.365

77, 33.739, 96.365

67, 33.739, 96.365

57, 33.739, 96.365

47, 33.739, 96.365

37, 33.739, 96.365

27, 33.739, 96.365

17, 33.739, 96.365

7, 33.739, 96.365

0, 33.739, 96.365

87, 33.739, 96.365

87, 33.739, 96.365

85, 43.532, 95.133

89, 23.840, 97.584

84, 53.030, 93.881

90, 13.935, 98.768

83, 61.917, 92.616

92, 4.084, 99.892

81, 69.689, 91.326

94, 5.682, 281.081

80, 75.636, 89.983

95, 7.359, 270.610

79, 79.028, 88.525

96, 6.080, 247.716

78, 79.982, 87.615

97, 6.081, 219.783

99, 7.168, 199.044

Harmonies

Complementary

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



87, 33.739, 96.365



71, 35.173, 285.451

Rectangle

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



87, 33.739, 96.365



87, 33.739, 146.365



87, 33.739, 276.365



87, 33.739, 326.365

Sweetspot

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



87, 33.740, 96.370



98, 10.514, 99.245



72, 32.269, 7.260



52, 7.178, 99.083



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, 33.740, 96.370



93, 43.347, 95.505



89, 41.832, 119.808



48, 5.581, 99.311



62, 66.087, 87.903



18, 25.709, 90.438

Inverse Universe

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



71, 35.173, 285.451



72, 45.744, 286.860



68, 44.884, 304.204



46, 5.645, 281.563



26, 90.393, 302.404



4, 30.818, 293.615

Previews

White Background



This preview shows how the CIELCh color 87, 33.739, 96.365 looks on a white background.

Color Contrast Check

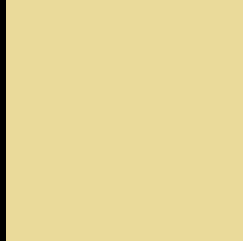
Large Text (above 18pt) WCAG AA × Fail

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, 33.739, 96.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

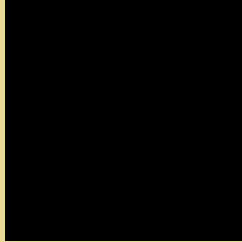
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 33.739, 96.365

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.739, 96.365.



This preview shows how white text looks on a background with the CIELCh color 87, 33.739, 96.365.

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, 33.739, 96.365

Protanopia

87, 33.823, 95.693

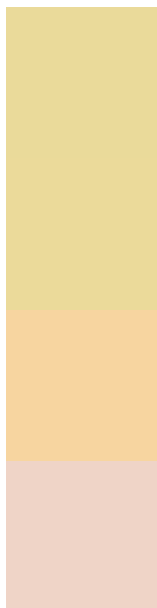
Deuteranopia

87, 30.314, 71.490



Tritanopia
87, 14.598, 345.633

Trichromacy



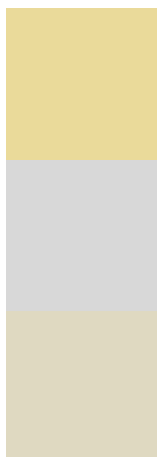
Original Color
87, 33.739, 96.365

Protanomaly
87, 33.823, 95.693

Deuteranomaly
87, 30.938, 81.568

Tritanomaly
87, 12.274, 53.372

Monochromacy



Original Color
87, 33.739, 96.365

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 12.706, 98.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.739, 96.365 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(234, 218, 154)` looks like.

```
.text, #text, p{  
    color:rgb(234, 218, 154)  
}
```

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(234, 218, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 218, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.739, 96.365 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(234, 218, 154) }
```

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

```
.border{ border-color:rgb(234, 218, 154) }
```

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

Here you see how a box with a 4 pixel rgb(234, 218, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 218, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 218, 154);  
box-shadow:4px 4px 4px 4px rgb(234, 218,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.739, 96.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 218, 154) }
```

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

```
.background{ background-color: rgb(234,  
218, 154) }
```

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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