

Converting Colors

CIELCh(87, 31.900, 90.401)

Have a look what the booklet for
CIELCh(87, 31.900, 90.401) contains.

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Color

CIELCh(87, 32.025, 90.784)

Conversions

Conversions Part 1

Format	Color
Hex	EFD89D
RGB	239, 216, 157
RGB Percent	94%, 85%, 62%
CMY	0.0621, 0.1523, 0.3837
CMYK	0.00, 0.10, 0.34, 0.06
HSL	43°, 72%, 78%
HSV	43°, 34%, 94%
XYZ	66.3421, 70.0064, 41.9792
YIQ	216.1510, 32.6470, -13.4730

Conversions

Conversions Part 2

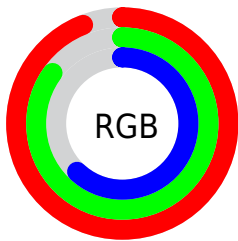
Format	Color
R _Y B	189, 239, 157
Decimal	15718557
CIE Lab	87.00, -0.44, 32.02
CIE LCh	87, 32.025, 90.784
Yxy	70.0064, 0.3720, 0.3926
Android (android.graphics.Color)	4293908637 (0xFFEFD89D)
YUV	216.1510, -29.1614, 20.0386
Hunter-Lab	83.6698, -4.8888, 28.8217

Details

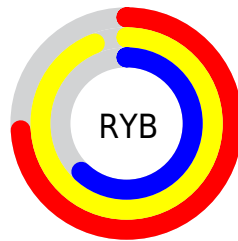
The CIELCh color **87, 32.025, 90.784** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **74, 32.499, 280.494**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 21.724, 108.532**, and **67, 31.944, 90.389** is the 20% darker color. If you saturate the color by 10%, you get **85, 41.513, 89.444**, and if you desaturate by 10%, it is **89, 22.551, 92.097**.

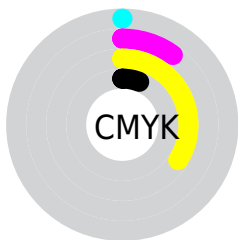
Distribution



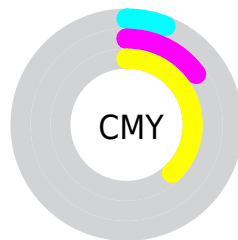
- Red (94%)
- Green (85%)
- Blue (62%)



- Red (74%)
- Yellow (94%)
- Blue (62%)



- Cyan (0%)
- Magenta (10%)
- Yellow (34%)
- Black (6%)



- Cyan (6%)
- Magenta (15%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 32.025, 90.784 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, 32.025, 90.784 by changing the saturation by 10% instead.

 87, 32.025, 90.784

 87, 32.025, 90.784

 100, 32.025,
90.784

 77, 32.025, 90.784

 67, 32.025, 90.784

 57, 32.025, 90.784

 47, 32.025, 90.784

 37, 32.025, 90.784

 27, 32.025, 90.784

 17, 32.025, 90.784

 7, 32.025, 90.784

 0, 32.025, 90.784

87, 32.025, 90.784

87, 32.025, 90.784

85, 41.513, 89.444

89, 22.551, 92.097

83, 50.858, 88.060

91, 13.168, 93.363

81, 59.777, 86.625

94, 3.916, 94.552

79, 67.783, 85.104

96, 5.192, 275.841

77, 74.131, 83.420

98, 4.487, 236.575

76, 77.961, 81.445

99, 5.449, 199.182

75, 79.132, 80.183

Harmonies

Complementary

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



87, 32.025, 90.784



74, 32.499, 280.494

Rectangle

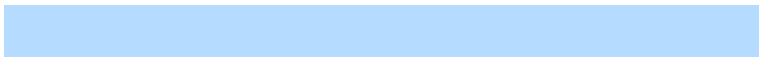
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 32.025, 90.784



87, 32.025, 140.784



87, 32.025, 270.784



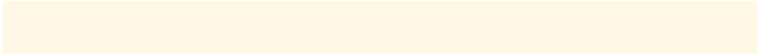
87, 32.025, 320.784

Sweetspot

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



87, 32.026, 90.789



98, 9.671, 93.885



73, 33.635, 1.132



52, 6.606, 93.713



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, 32.026, 90.789



91, 40.449, 89.871



92, 42.144, 116.340



49, 5.224, 93.952



59, 64.971, 80.621



17, 25.386, 83.443

Inverse Universe

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



74, 32.499, 280.494



74, 41.270, 281.953



69, 45.557, 301.497



47, 5.250, 276.361



29, 82.687, 299.272



6, 30.106, 292.341

Previews

White Background



This preview shows how the CIELCh color 87, 32.025, 90.784 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, 32.025, 90.784 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, 32.025, 90.784

Background



This preview shows how black text looks on a background with the CIELCh color 87, 32.025, 90.784.



This preview shows how white text looks on a background with the CIELCh color 87, 32.025, 90.784.

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, 32.025, 90.784

Protanopia

87, 31.737, 95.898

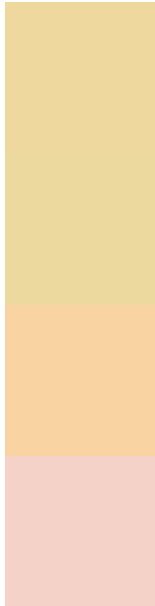
Deuteranopia

87, 29.883, 70.977



Tritanopia
87, 17.036, 349.388

Trichromacy



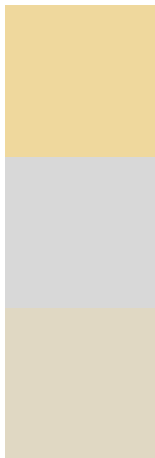
Original Color
87, 32.025, 90.784

Protanomaly
87, 31.546, 93.605

Deuteranomaly
87, 30.171, 78.422

Tritanomaly
87, 13.915, 42.131

Monochromacy



Original Color
87, 32.025, 90.784

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 11.352, 93.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 32.025, 90.784 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(239, 216, 157)` looks like.

```
.text, #text, p{  
    color:rgb(239, 216, 157)  
}
```

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(239, 216, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 216, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 32.025, 90.784 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(239, 216, 157) }
```

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

```
.border{ border-color:rgb(239, 216, 157) }
```

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

Here you see how a box with a 4 pixel rgb(239, 216, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 216, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 216, 157);  
box-shadow:4px 4px 4px 4px rgb(239, 216,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 32.025, 90.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 216, 157) }
```

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

```
.background{ background-color: rgb(239,  
216, 157) }
```

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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