

Converting Colors

CIELCh(87, 37.130, 97.163)

Have a look what the booklet for
CIELCh(87, 37.130, 97.163) contains.

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Color

CIELCh(87, 36.731, 96.932)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EADA94 |
| RGB | 234, 218, 148 |
| RGB Percent | 92%, 85%, 58% |
| CMY | 0.0810, 0.1438, 0.4184 |
| CMYK | 0.00, 0.07, 0.37, 0.08 |
| HSL | 49°, 68%, 75% |
| HSV | 49°, 37%, 92% |
| XYZ | 64.5656, 70.0064, 38.2534 |
| YIQ | 214.8040, 32.0060, -18.3780 |

Conversions

Conversions Part 2

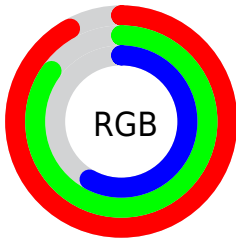
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 168, 234, 148 |
| Decimal | 15391380 |
| CIE Lab | 87.00, -4.43, 36.46 |
| CIE LCh | 87, 36.731, 96.932 |
| Yxy | 70.0064, 0.3736, 0.4051 |
| Android (android.graphics.Color) | 4293581460 (0xFFEADA94) |
| YUV | 214.8040, -32.9344, 16.8349 |
| Hunter-Lab | 83.6698, -8.6789, 31.4618 |

Details

The CIELCh color $87, 36.731, 96.932$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $69, 38.621, 286.709$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 26.235, 108.186$, and $67, 36.773, 96.765$ is the 20% darker color. If you saturate the color by 10%, you get $86, 46.565, 95.717$, and if you desaturate by 10%, it is $89, 26.731, 98.139$.

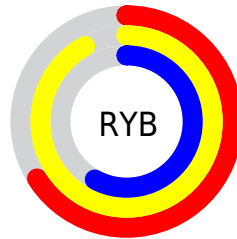
Distribution



Red (92%)

Green (85%)

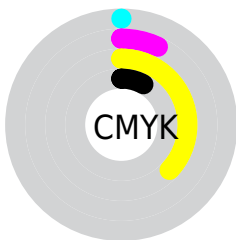
Blue (58%)



Red (66%)

Yellow (92%)

Blue (58%)

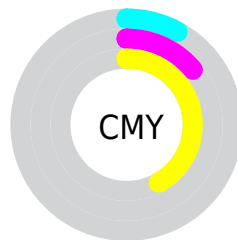


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (8%)



Cyan (8%)

Magenta (14%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 36.731, 96.932 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, 36.731, 96.932 by changing the saturation by 10% instead.

 87, 36.731, 96.932

 87, 36.731, 96.932

 100, 36.731,
96.932

 77, 36.731, 96.932

 67, 36.731, 96.932

 57, 36.731, 96.932

 47, 36.731, 96.932

 37, 36.731, 96.932

 27, 36.731, 96.932

 17, 36.731, 96.932

 7, 36.731, 96.932

 0, 36.731, 96.932

87, 36.731, 96.932

87, 36.731, 96.932

86, 46.565, 95.717

89, 26.731, 98.139

84, 56.011, 94.489

90, 16.687, 99.316

83, 64.704, 93.254

92, 6.673, 100.451

82, 72.080, 92.004

93, 3.273, 281.641

80, 77.404, 90.708

95, 7.864, 276.189

79, 80.053, 89.309

96, 6.357, 257.480

79, 80.571, 88.833

97, 5.828, 231.974

98, 6.507, 207.198

99, 7.075, 199.051

Harmonies

Complementary

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



87, 36.731, 96.932



69, 38.621, 286.709

Rectangle

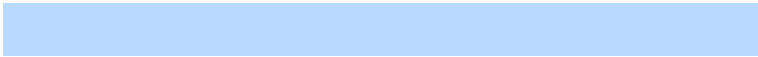
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 36.731, 96.932



87, 36.731, 146.932



87, 36.731, 276.932



87, 36.731, 326.932

Sweetspot

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



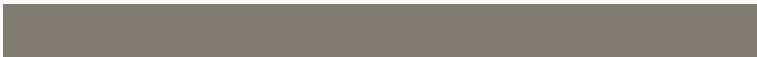
87, 36.732, 96.936



98, 11.739, 99.967



71, 34.850, 7.676



52, 7.892, 99.812



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, 36.732, 96.936



93, 47.038, 96.024



89, 44.880, 119.664



48, 5.662, 100.145



62, 66.514, 89.097



18, 26.010, 91.527

Inverse Universe

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



69, 38.621, 286.709



69, 50.209, 288.264



67, 48.451, 304.422



46, 5.734, 282.371



25, 91.727, 302.844



4, 31.158, 293.949

Previews

White Background



This preview shows how the CIELCh color 87, 36.731, 96.932 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, 36.731, 96.932 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, 36.731, 96.932

Background



This preview shows how black text looks on a background with the CIELCh color 87, 36.731, 96.932.



This preview shows how white text looks on a background with the CIELCh color 87, 36.731, 96.932.

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, 36.731, 96.932

Protanopia

87, 36.894, 95.688

Deuteranopia

87, 31.623, 72.937



Tritanopia
87, 14.898, 346.475

Trichromacy



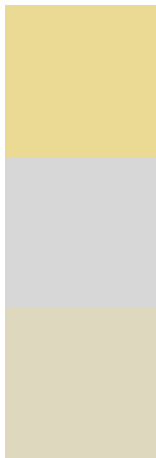
Original Color
87, 36.731, 96.932

Protanomaly
87, 36.810, 96.309

Deuteranomaly
87, 32.829, 82.868

Tritanomaly
87, 13.227, 56.078

Monochromacy



Original Color
87, 36.731, 96.932

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 13.231, 99.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 36.731, 96.932 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(234, 218, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 218, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 36.731, 96.932 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, 148) }
```

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

```
.border{ border-color:rgb(234, 218, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 218, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 218, 148);  
box-shadow:4px 4px 4px 4px rgb(234, 218,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 36.731, 96.932 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, 148) }
```

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

```
.background{ background-color: rgb(234,  
218, 148) }
```

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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