

Converting Colors

CIELCh(87, 46.394, 95.678)

Have a look what the booklet for
CIELCh(87, 46.394, 95.678) contains.

CIELCh(87, 46.445, 95.484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(87, 46.445, 95.484)

Conversions

Conversions Part 1

Format	Color
Hex	EFDA81
RGB	239, 218, 129
RGB Percent	94%, 85%, 51%
CMY	0.0632, 0.1455, 0.4945
CMYK	0.00, 0.09, 0.46, 0.06
HSL	49°, 77%, 72%
HSV	49°, 46%, 94%
XYZ	64.5631, 70.0064, 30.8459
YIQ	214.1330, 41.0850, -23.2270

Conversions

Conversions Part 2

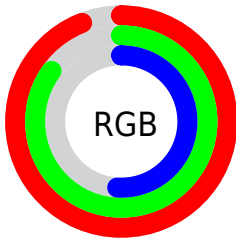
Format	Color
RYB	155, 239, 129
Decimal	15719041
CIELab	87.00, -4.44, 46.23
CIELCh	87, 46.445, 95.484
Yxy	70.0064, 0.3903, 0.4232
Android (android.graphics.Color)	4293909121 (0xFFEFDA81)
YUV	214.1330, -41.9706, 21.8084
Hunter-Lab	83.6698, -8.6841, 36.7109

Details

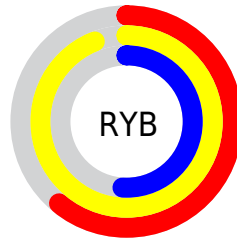
The CIELCh color $87, 46.445, 95.484$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $64, 49.693, 288.430$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 36.170, 107.421$, and $67, 46.493, 95.359$ is the 20% darker color. If you saturate the color by 10%, you get $86, 56.053, 94.249$, and if you desaturate by 10%, it is $89, 36.472, 96.715$.

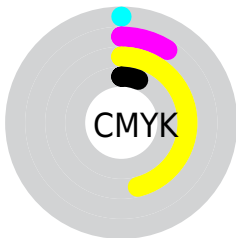
Distribution



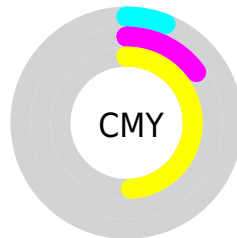
- Red (94%)
- Green (85%)
- Blue (51%)



- Red (61%)
- Yellow (94%)
- Blue (51%)



- Cyan (0%)
- Magenta (9%)
- Yellow (46%)
- Black (6%)



- Cyan (6%)
- Magenta (15%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 46.445, 95.484 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, 46.445, 95.484 by changing the saturation by 10% instead.

 87, 46.445, 95.484

 87, 46.445, 95.484

 100, 46.445,
95.484

 77, 46.445, 95.484

 67, 46.445, 95.484

 57, 46.445, 95.484

 47, 46.445, 95.484

 37, 46.445, 95.484

 27, 46.445, 95.484

 17, 46.445, 95.484

 7, 46.445, 95.484

 0, 46.445, 95.484

87, 46.445, 95.484

87, 46.445, 95.484

86, 56.053, 94.249

89, 36.472, 96.715

84, 64.934, 93.002

90, 26.345, 97.924

83, 72.529, 91.735

92, 16.187, 99.106

82, 78.093, 90.419

93, 6.067, 100.242

80, 80.948, 88.991

95, 3.979, 281.429

80, 81.559, 88.399

96, 5.415, 266.752

98, 4.556, 234.909

99, 5.327, 202.619

99, 5.537, 199.174

Harmonies

Complementary

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



87, 46.445, 95.484



64, 49.693, 288.430

Rectangle

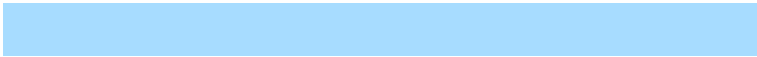
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 46.445, 95.484



87, 46.445, 145.484



87, 46.445, 275.484



87, 46.445, 325.484

Sweetspot

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



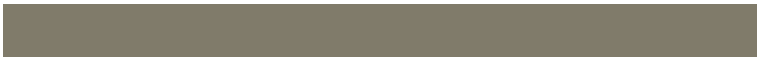
87, 46.446, 95.488



97, 14.886, 99.337



67, 44.986, 9.429



52, 10.285, 99.085



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, 46.446, 95.488



91, 58.059, 94.355



90, 56.589, 119.164



49, 5.735, 99.859



63, 67.051, 88.673



19, 27.149, 90.996

Inverse Universe

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



64, 49.693, 288.430



62, 63.602, 290.636



61, 62.585, 305.264



47, 5.805, 282.099



26, 92.307, 302.722



5, 32.832, 295.034

Previews

White Background



This preview shows how the CIELCh color 87, 46.445, 95.484 looks on a white background.

Color Contrast Check

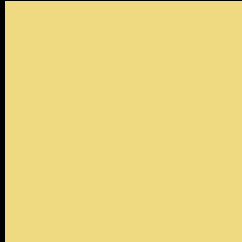
Large Text (above 18pt) WCAG AA × Fail

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, 46.445, 95.484 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, 46.445, 95.484

Background



This preview shows how black text looks on a background with the CIELCh color 87, 46.445, 95.484.



This preview shows how white text looks on a background with the CIELCh color 87, 46.445, 95.484.

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, 46.445, 95.484

Protanopia

87, 46.445, 95.484

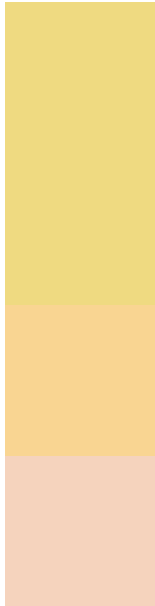
Deuteranopia

87, 34.292, 75.457



Tritanopia
87, 17.109, 351.582

Trichromacy



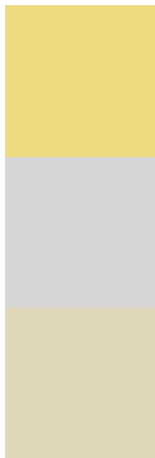
Original Color
87, 46.445, 95.484

Protanomaly
87, 46.445, 95.484

Deuteranomaly
87, 37.935, 84.306

Tritanomaly
87, 17.512, 60.734

Monochromacy



Original Color
87, 46.445, 95.484

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 16.970, 98.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 46.445, 95.484 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, 218, 129)` looks like.

```
.text, #text, p{  
    color:rgb(239, 218, 129)  
}
```

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, 218, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 218, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 46.445, 95.484 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, 218, 129) }
```

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

```
.border{ border-color:rgb(239, 218, 129) }
```

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

Here you see how a box with a 4 pixel rgb(239, 218, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 218, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 218, 129);  
box-shadow:4px 4px 4px 4px rgb(239, 218,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 46.445, 95.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 218, 129) }
```

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

```
.background{ background-color: rgb(239,  
218, 129) }
```

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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