

Converting Colors

CIELCh(81, 45.822, 87.800)

Have a look what the booklet for
CIELCh(81, 45.822, 87.800) contains.

CIELCh(81, 46.259, 87.960)	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(81, 46.259, 87.960)

Conversions

Conversions Part 1

Format	Color
Hex	E8C672
RGB	232, 198, 114
RGB Percent	91%, 78%, 45%
CMY	0.0920, 0.2252, 0.5546
CMYK	0.00, 0.15, 0.51, 0.09
HSL	43°, 72%, 68%
HSV	43°, 51%, 91%
XYZ	56.2343, 58.4711, 24.1186
YIQ	198.5900, 47.2280, -18.9160

Conversions

Conversions Part 2

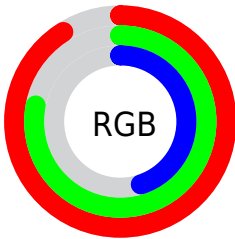
Format	Color
RYB	162, 232, 114
Decimal	15255154
CIELab	81.00, 1.65, 46.23
CIELCh	81, 46.259, 87.960
Yxy	58.4711, 0.4051, 0.4212
Android (android.graphics.Color)	4293445234 (0xFFE8C672)
YUV	198.5900, -41.7029, 29.3006
Hunter-Lab	76.4664, -2.5453, 34.8256

Details

The CIELCh color $81, 46.259, 87.960$ is a light color, and the websafe version is hex `FFCC66`. A complement of this color would be $62, 47.514, 283.800$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 43.988, 106.817$, and $61, 46.195, 87.679$ is the 20% darker color. If you saturate the color by 10%, you get $79, 55.122, 86.541$, and if you desaturate by 10%, it is $83, 37.114, 89.340$.

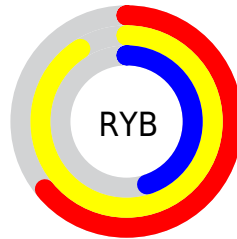
Distribution



Red (91%)

Green (78%)

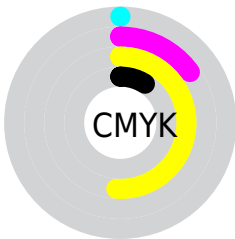
Blue (45%)



Red (64%)

Yellow (91%)

Blue (45%)

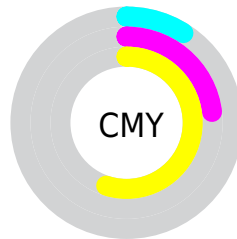


Cyan (0%)

Magenta (15%)

Yellow (51%)

Black (9%)



Cyan (9%)

Magenta (23%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 46.259, 87.960 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 81, 46.259, 87.960 by changing the saturation by 10% instead.

81, 46.259, 87.960

81, 46.259, 87.960

100, 46.259,
87.960

71, 46.259, 87.960

61, 46.259, 87.960

51, 46.259, 87.960

41, 46.259, 87.960

31, 46.259, 87.960

21, 46.259, 87.960

11, 46.259, 87.960

1, 46.259, 87.960

0, 46.259, 87.960

81, 46.259, 87.960

81, 46.259, 87.960

79, 55.122, 86.541

83, 37.114, 89.340

77, 63.310, 85.043

85, 27.907, 90.678

75, 70.189, 83.407

87, 18.755, 91.977

74, 74.916, 81.519

89, 9.717, 93.229

72, 77.111, 79.520

92, 0.819, 94.186

94, 7.932, 275.674

96, 6.950, 252.026

97, 6.895, 216.811

98, 8.012, 198.981

Harmonies

Complementary

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



81, 46.259, 87.960



62, 47.514, 283.800

Rectangle

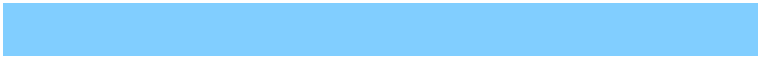
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 46.259, 87.960



81, 46.259, 137.960



81, 46.259, 267.960



81, 46.259, 317.960

Sweetspot

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



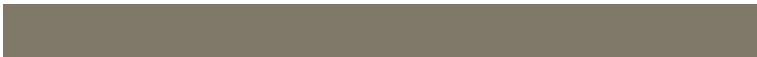
81, 46.260, 87.964



96, 14.460, 92.718



63, 49.293, 2.940



51, 9.883, 92.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 46.260, 87.964



86, 59.652, 86.485



88, 59.587, 114.602



47, 5.002, 93.410



57, 63.533, 79.976



15, 22.768, 82.947

Inverse Universe

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



62, 47.514, 283.800



62, 62.378, 286.689



55, 67.778, 302.895



45, 5.023, 275.821



28, 79.953, 298.853



5, 26.808, 289.684

Previews

White Background



This preview shows how the CIELCh color 81, 46.259, 87.960 looks on a white background.

Color Contrast Check

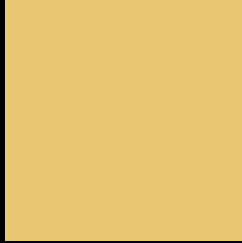
Large Text (above 18pt) WCAG AA × Fail

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 81, 46.259, 87.960 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 81, 46.259, 87.960

Background



This preview shows how black text looks on a background with the CIELCh color 81, 46.259, 87.960.



This preview shows how white text looks on a background with the CIELCh color 81, 46.259, 87.960.

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

81, 46.259, 87.960

Protanopia

81, 45.461, 95.415

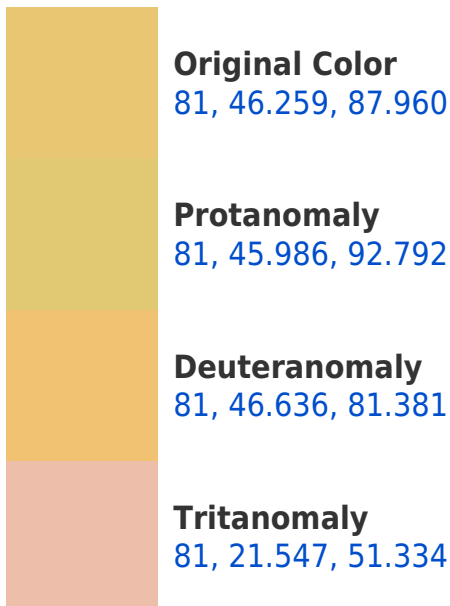
Deuteranopia

81, 46.856, 77.489



Tritanopia
81, 21.313, 359.454

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 46.259, 87.960 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(232, 198, 114)` looks like.

```
.text, #text, p{  
    color:rgb(232, 198, 114)  
}
```

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(232, 198, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 198, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 46.259, 87.960 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(232, 198, 114) }
```

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

```
.border{ border-color:rgb(232, 198, 114) }
```

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

Here you see how a box with a 4 pixel rgb(232, 198, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 198, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 198, 114);  
box-shadow:4px 4px 4px 4px rgb(232, 198,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 46.259, 87.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 198, 114) }
```

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

```
.background{ background-color: rgb(232,  
198, 114) }
```

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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