

Converting Colors

CIELCh(79, 45.362, 86.978)

Have a look what the booklet for
CIELCh(79, 45.362, 86.978) contains.

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Color

CIELCh(79, 45.688, 87.013)

Conversions

Conversions Part 1

Format	Color
Hex	E3C06E
RGB	227, 192, 110
RGB Percent	89%, 75%, 43%
CMY	0.1113, 0.2484, 0.5699
CMYK	0.00, 0.15, 0.52, 0.11
HSL	42°, 67%, 66%
HSV	42°, 52%, 89%
XYZ	53.1237, 54.9284, 22.4575
YIQ	193.1170, 47.1820, -18.0820

Conversions

Conversions Part 2

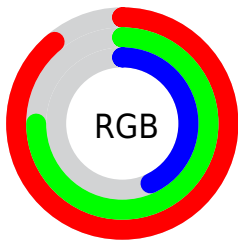
Format	Color
R_{YB}	160, 227, 110
Decimal	14925934
CIE _{Lab}	79.00, 2.38, 45.63
CIE _{LCh}	79, 45.688, 87.013
Y _{xy}	54.9284, 0.4070, 0.4209
Android (android.graphics.Color)	4293116014 (0xFFE3C06E)
YUV	193.1170, -40.9767, 29.7154
Hunter-Lab	74.1137, -1.7525, 33.9139

Details

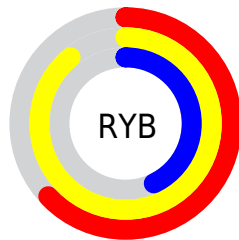
The CIELCh color **79, 45.688, 87.013** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 46.632, 283.215**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 42.818, 103.144**, and **59, 45.892, 87.326** is the 20% darker color. If you saturate the color by 10%, you get **77, 54.360, 85.576**, and if you desaturate by 10%, it is **81, 36.748, 88.406**.

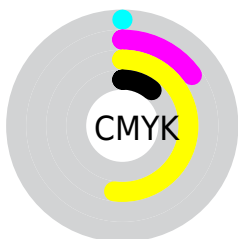
Distribution



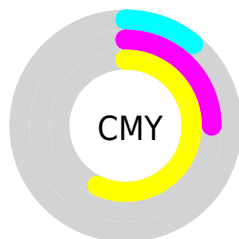
- Red (89%)
- Green (75%)
- Blue (43%)



- Red (63%)
- Yellow (89%)
- Blue (43%)



- Cyan (0%)
- Magenta (15%)
- Yellow (52%)
- Black (11%)



- Cyan (11%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 45.688, 87.013 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 79, 45.688, 87.013 by changing the saturation by 10% instead.

79, 45.688, 87.013

79, 45.688, 87.013

100, 45.688,
87.013

69, 45.688, 87.013

99, 45.688, 87.013

59, 45.688, 87.013

49, 45.688, 87.013

39, 45.688, 87.013

29, 45.688, 87.013

19, 45.688, 87.013

9, 45.688, 87.013

0, 45.688, 87.013

79, 45.688, 87.013

79, 45.688, 87.013

77, 54.360, 85.576

81, 36.748, 88.406

75, 62.373, 84.053

83, 27.756, 89.756

73, 69.090, 82.376

85, 18.830, 91.065

72, 73.674, 80.419

87, 10.026, 92.328

70, 75.733, 78.507

90, 1.368, 93.406

92, 7.137, 274.796

94, 9.143, 263.291

96, 7.955, 235.376

97, 8.890, 206.796

Harmonies

Complementary

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



79, 45.688, 87.013



61, 46.632, 283.215

Rectangle

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



79, 45.688, 87.013



79, 45.688, 137.013



79, 45.688, 267.013



79, 45.688, 317.013

Sweetspot

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



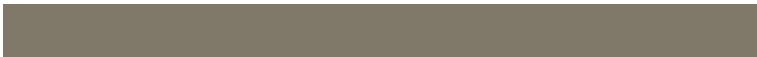
79, 45.688, 87.017



96, 14.304, 91.894



61, 49.066, 3.070



51, 9.777, 91.626



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 45.688, 87.017



86, 60.165, 85.459



86, 59.262, 114.569



46, 4.855, 92.593



56, 62.734, 78.976



14, 21.303, 81.990

Inverse Universe

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



61, 46.632, 283.215



61, 62.488, 286.273



54, 67.542, 302.971



44, 4.871, 275.017



28, 77.763, 298.282



5, 24.982, 288.055

Previews

White Background



This preview shows how the CIELCh color 79, 45.688, 87.013 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 CIE LCh color 79, 45.688, 87.013 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 79, 45.688, 87.013

Background



This preview shows how black text looks on a background with the CIELCh color 79, 45.688, 87.013.

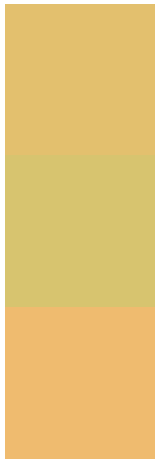


This preview shows how white text looks on a background with the CIELCh color 79, 45.688, 87.013.

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

79, 45.688, 87.013

Protanopia

79, 45.053, 95.759

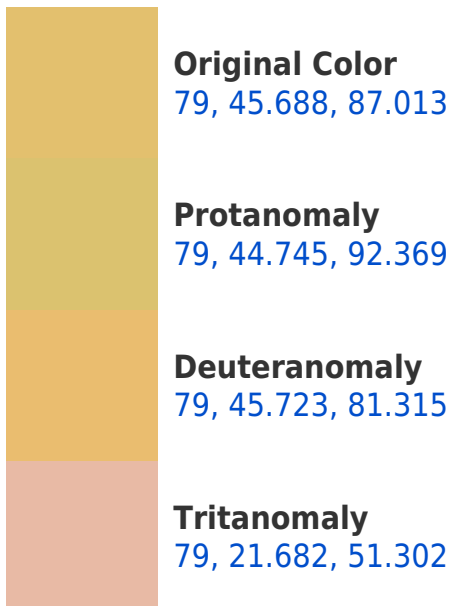
Deuteranopia

79, 46.404, 77.559



Tritanopia
79, 21.261, 0.862

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 45.688, 87.013 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(227, 192, 110)` looks like.

```
.text, #text, p{  
    color:rgb(227, 192, 110)  
}
```

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(227, 192, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 192, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 45.688, 87.013 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(227, 192, 110) }
```

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

```
.border{ border-color:rgb(227, 192, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 192, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 192, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 192, 110); box-shadow:4px 4px 4px 4px rgb(227, 192, 110) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 45.688, 87.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 192, 110) }
```

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

```
.background{ background-color: rgb(227,  
192, 110) }
```

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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