

Converting Colors

CIELCh(90, 64.088, 103.779)

Have a look what the booklet for
CIELCh(90, 64.088, 103.779)
contains.

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Color

CIELCh(90, 64.069, 103.798)

Conversions

Conversions Part 1

Format	Color
Hex	EBE866
RGB	235, 232, 102
RGB Percent	92%, 91%, 40%
CMY	0.0786, 0.0903, 0.6001
CMYK	0.00, 0.01, 0.57, 0.08
HSL	59°, 77%, 66%
HSV	59°, 57%, 92%
XYZ	65.4882, 76.3034, 23.8368
YIQ	218.0770, 43.5180, -39.7940

Conversions

Conversions Part 2

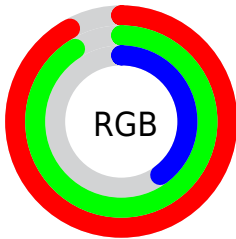
Format	Color
RYB	105, 235, 102
Decimal	15460454
CIELab	90.00, -15.28, 62.22
CIELCh	90, 64.069, 103.798
Yxy	76.3034, 0.3954, 0.4607
Android (android.graphics.Color)	4293650534 (0xFFEBE866)
YUV	218.0770, -57.2260, 14.8415
Hunter-Lab	87.3518, -19.0430, 44.9671

Details

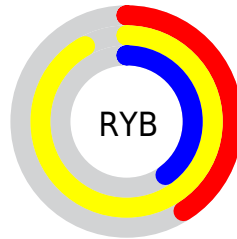
The CIELCh color **90, 64.069, 103.798** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **51, 75.237, 298.177**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 48.795, 106.446**, and **70, 64.310, 104.137** is the 20% darker color. If you saturate the color by 10%, you get **90, 73.309, 103.000**, and if you desaturate by 10%, it is **90, 53.727, 104.694**.

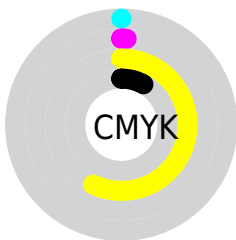
Distribution



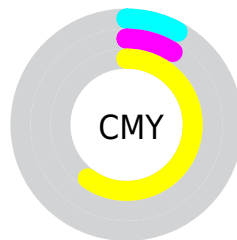
- Red (92%)
- Green (91%)
- Blue (40%)



- Red (41%)
- Yellow (92%)
- Blue (40%)



- Cyan (0%)
- Magenta (1%)
- Yellow (57%)
- Black (8%)





- Cyan (8%)
- Magenta (9%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 64.069, 103.798 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 90, 64.069, 103.798 by changing the saturation by 10% instead.


 90, 64.069,
103.798


 90, 64.069,
103.798


 100, 64.069,
103.798


 80, 64.069,
103.798

 70, 64.069,
103.798

 60, 64.069,
103.798

 50, 64.069,
103.798

 40, 64.069,
103.798

 30, 64.069,
103.798

 20, 64.069,

103.798

■ 10, 64.069,
103.798

■ 0, 64.069, 103.798

■ 90, 64.069,
103.798

■ 90, 64.069,
103.798

■ 90, 73.309,
103.000

■ 90, 53.727,
104.694

■ 89, 80.892,
102.330

■ 91, 42.695,
105.646

■ 89, 86.227,
101.822

■ 91, 31.254,
106.631

■ 89, 88.980,
101.489

■ 92, 19.583,
107.627

89, 89.560,
101.400

- 93, 7.798, 108.614
- 93, 4.031, 289.621
- 94, 9.970, 289.571
- 94, 9.697, 288.441
- 94, 9.428, 287.247

Harmonies

Complementary

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



90, 64.069, 103.798



51, 75.237, 298.177

Rectangle

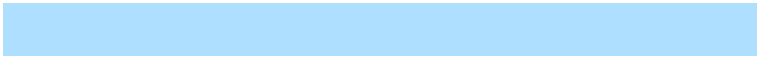
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 64.069, 103.798



90, 64.069, 153.798



90, 64.069, 283.798



90, 64.069, 333.798

Sweetspot

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



90, 64.070, 103.801



99, 21.426, 107.580



60, 56.864, 24.378



53, 14.322, 107.379



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 64.070, 103.801



96, 79.507, 102.876



87, 70.165, 125.315



49, 6.701, 108.334



70, 73.699, 101.424



21, 30.051, 102.260

Inverse Universe

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



51, 75.237, 298.177



46, 98.304, 300.864



55, 77.037, 310.967



45, 6.845, 290.274



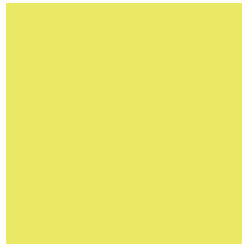
22, 102.433, 306.010



3, 35.174, 297.344

Previews

White Background



This preview shows how the CIELCh color 90, 64.069, 103.798 looks on a white background.

Color Contrast Check

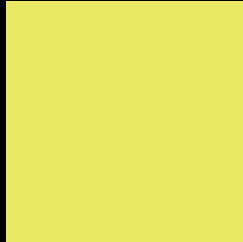
Large Text (above 18pt) WCAG AA × Fail

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 90, 64.069, 103.798 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 90, 64.069, 103.798

Background



This preview shows how black text looks on a background with the CIELCh color 90, 64.069, 103.798.



This preview shows how white text looks on a background with the CIELCh color 90, 64.069, 103.798.

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
90, 64.069, 103.798

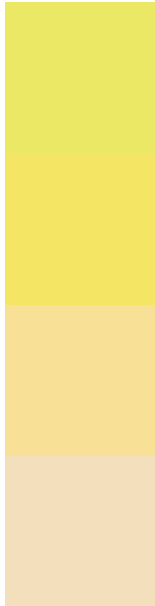
Protanopia
90, 63.800, 95.806

Deuteranopia
90, 26.091, 77.505



Tritanopia
90, 13.931, 341.160

Trichromacy



Original Color
90, 64.069, 103.798

Protanomaly
90, 63.671, 98.877

Deuteranomaly
90, 39.620, 93.376

Tritanomaly
90, 20.192, 86.183

Monochromacy



Original Color
90, 64.069, 103.798

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 24.316, 107.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 64.069, 103.798 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(235, 232, 102)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 102)  
}
```

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(235, 232, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 64.069, 103.798 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(235, 232, 102) }
```

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

```
.border{ border-color:rgb(235, 232, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 232, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 102);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 64.069, 103.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 102) }
```

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

```
.background{ background-color: rgb(235,  
232, 102) }
```

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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