

Converting Colors

CIELCh(90, 54.909, 91.583)

Have a look what the booklet for
CIELCh(90, 54.909, 91.583) contains.

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Color

CIELCh(90, 54.763, 92.034)

Conversions

Conversions Part 1

Format	Color
Hex	FFE177
RGB	255, 225, 119
RGB Percent	100%, 88%, 47%
CMY	0.0000, 0.1195, 0.5314
CMYK	0.00, 0.12, 0.53, 0.00
HSL	47°, 100%, 73%
HSV	47°, 53%, 100%
XYZ	71.6024, 76.3034, 28.5632
YIQ	221.8860, 51.9060, -26.6060

Conversions

Conversions Part 2

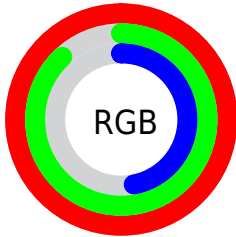
Format	Color
RYB	157, 255, 119
Decimal	16769399
CIELab	90.00, -1.94, 54.73
CIElCh	90, 54.763, 92.034
Yxy	76.3034, 0.4058, 0.4324
Android (android.graphics.Color)	4294959479 (0xFFFFE177)
YUV	221.8860, -50.7228, 29.0410
Hunter-Lab	87.3518, -6.5489, 41.7590

Details

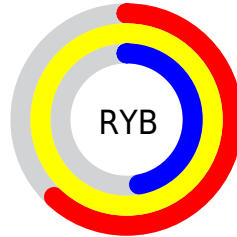
The CIELCh color **90, 54.763, 92.034** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **64, 58.570, 288.313**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 41.073, 107.042**, and **70, 55.234, 92.429** is the 20% darker color. If you saturate the color by 10%, you get **88, 64.238, 90.949**, and if you desaturate by 10%, it is **92, 44.605, 93.575**.

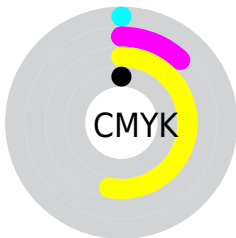
Distribution



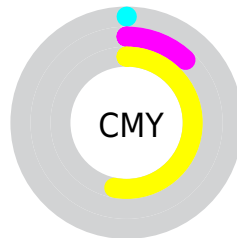
- Red (100%)
- Green (88%)
- Blue (47%)



- Red (62%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (12%)
- Yellow (53%)
- Black (0%)



- Cyan (0%)
- Magenta (12%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 54.763, 92.034 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, 54.763, 92.034 by changing the saturation by 10% instead.

 90, 54.763, 92.034

 90, 54.763, 92.034

 100, 54.763,
92.034

 80, 54.763, 92.034

 70, 54.763, 92.034

 60, 54.763, 92.034

 50, 54.763, 92.034

 40, 54.763, 92.034

 30, 54.763, 92.034

 20, 54.763, 92.034

 10, 54.763, 92.034

 0, 54.763, 92.034

90, 54.763, 92.034

90, 54.763, 92.034

88, 64.238, 90.949

92, 44.605, 93.575

87, 72.694, 89.581

94, 34.263, 94.852

85, 79.310, 88.128

95, 23.856, 96.100

84, 83.245, 86.512

97, 13.483, 97.312

83, 84.431, 85.284

99, 3.195, 98.443

100, 0.012,
296.813

Harmonies

Complementary

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



90, 54.763, 92.034



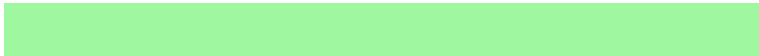
64, 58.570, 288.313

Rectangle

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



90, 54.763, 92.034



90, 54.763, 142.034



90, 54.763, 272.034



90, 54.763, 322.034

Sweetspot

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



90, 54.702, 92.275



97, 16.445, 96.970



67, 55.081, 8.526



51, 11.114, 96.721



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, 54.702, 92.275



88, 65.019, 90.833



95, 67.638, 117.407



52, 5.822, 97.740



64, 68.105, 85.635



21, 29.945, 87.904

Inverse Universe

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



64, 58.570, 288.313



57, 71.826, 291.297



59, 76.779, 305.016



50, 5.879, 280.060



28, 91.847, 301.646



6, 36.696, 296.817

Previews

White Background



This preview shows how the CIELCh color 90, 54.763, 92.034 looks on a white background.

Color Contrast Check

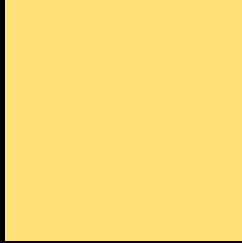
Large Text (above 18pt) WCAG AA × Fail

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, 54.763, 92.034 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, 54.763, 92.034

Background



This preview shows how black text looks on a background with the CIELCh color 90, 54.763, 92.034.



This preview shows how white text looks on a background with the CIELCh color 90, 54.763, 92.034.

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, 55.079, 92.548

Protanopia

90, 54.731, 96.065

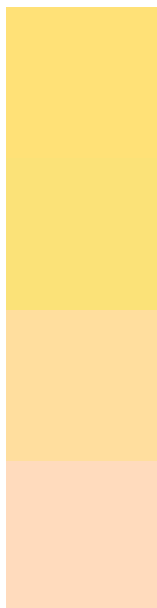
Deuteranopia

90, 25.189, 76.459



Tritanopia
90, 15.476, 356.922

Trichromacy



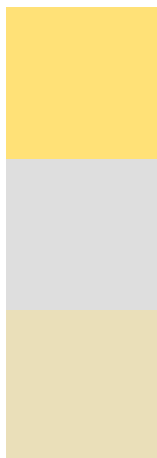
Original Color
90, 55.079, 92.548

Protanomaly
90, 54.554, 94.708

Deuteranomaly
90, 35.712, 85.547

Tritanomaly
90, 21.004, 67.304

Monochromacy



Original Color
90, 55.079, 92.548

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 20.126, 96.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 54.763, 92.034 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(255, 225, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 119)  
}
```

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(255, 225, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 54.763, 92.034 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(255, 225, 119) }
```

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

```
.border{ border-color:rgb(255, 225, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 54.763, 92.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 119) }
```

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

```
.background{ background-color: rgb(255,  
225, 119) }
```

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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