

Converting Colors

CIELCh(90, 64.773, 93.078)

Have a look what the booklet for
CIELCh(90, 64.773, 93.078) contains.

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Color

CIELCh(90, 64.787, 93.549)

Conversions

Conversions Part 1

Format	Color
Hex	FFE161
RGB	255, 225, 97
RGB Percent	100%, 88%, 38%
CMY	0.0000, 0.1159, 0.6180
CMYK	0.00, 0.12, 0.62, 0.00
HSL	49°, 100%, 69%
HSV	49°, 62%, 100%
XYZ	70.6310, 76.3034, 22.4168
YIQ	219.3780, 58.9680, -33.4480

Conversions

Conversions Part 2

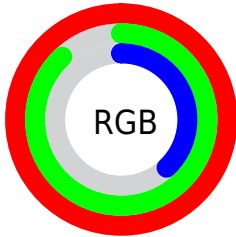
Format	Color
R_{YB}	134, 255, 97
Decimal	16769377
CIE Lab	90.00, -4.01, 64.66
CIE LCh	90, 64.787, 93.549
Yxy	76.3034, 0.4171, 0.4506
Android (android.graphics.Color)	4294959457 (0xFFFFE161)
YUV	219.3780, -60.3324, 31.2405
Hunter-Lab	87.3518, -8.5339, 45.9308

Details

The CIELCh color **90, 64.787, 93.549** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **57, 72.637, 292.609**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 51.169, 106.263**, and **70, 64.820, 93.537** is the 20% darker color. If you saturate the color by 10%, you get **89, 73.381, 92.472**, and if you desaturate by 10%, it is **91, 55.002, 94.964**.

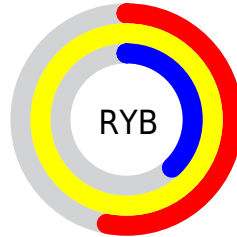
Distribution



Red (100%)

Green (88%)

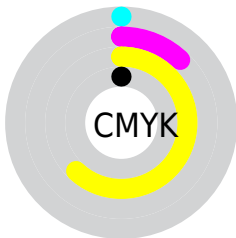
Blue (38%)



Red (53%)

Yellow (100%)

Blue (38%)

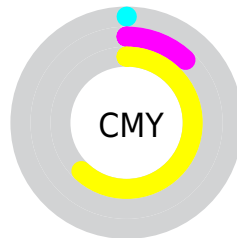


Cyan (0%)

Magenta (12%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 64.787, 93.549 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, 64.787, 93.549 by changing the saturation by 10% instead.

 90, 64.787, 93.549

 90, 64.787, 93.549

 100, 64.787,
93.549

 80, 64.787, 93.549

 70, 64.787, 93.549

 60, 64.787, 93.549

 50, 64.787, 93.549

 40, 64.787, 93.549

 30, 64.787, 93.549

 20, 64.787, 93.549

 10, 64.787, 93.549

 0, 64.787, 93.549

90, 64.787, 93.549

90, 64.787, 93.549

89, 73.381, 92.472

91, 55.002, 94.964

87, 80.191, 91.190

93, 44.663, 96.197

86, 84.372, 89.830

95, 34.036, 97.417

85, 85.792, 88.623

96, 23.305, 98.616

98, 12.573, 99.784

100, 1.897,
100.842

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, 64.787, 93.549



57, 72.637, 292.609

Rectangle

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



90, 64.787, 93.549



90, 64.787, 143.549



90, 64.787, 273.549



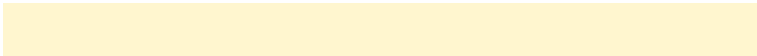
90, 64.787, 323.549

Sweetspot

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



90, 64.743, 93.723



97, 20.301, 98.947



63, 63.964, 13.445



51, 13.982, 98.609



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, 64.743, 93.723



88, 75.068, 92.193



94, 77.639, 118.536



52, 6.054, 100.045



65, 69.207, 88.903



22, 30.742, 90.850

Inverse Universe

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



57, 72.637, 292.609



49, 88.763, 296.131



54, 89.889, 306.753



49, 6.130, 282.293



27, 95.700, 302.892



6, 38.101, 297.963

Previews

White Background



This preview shows how the CIELCh color 90, 64.787, 93.549 looks on a white background.

Color Contrast Check

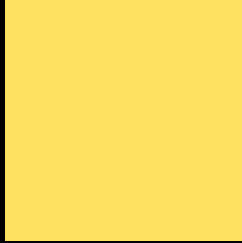
Large Text (above 18pt) WCAG AA × Fail

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, 64.787, 93.549 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, 64.787, 93.549

Background



This preview shows how black text looks on a background with the CIELCh color 90, 64.787, 93.549.

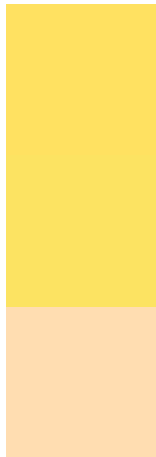


This preview shows how white text looks on a background with the CIELCh color 90, 64.787, 93.549.

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, 64.787, 93.549

Protanopia

90, 64.729, 95.476

Deuteranopia

90, 26.545, 77.999



Tritanopia
90, 15.476, 356.922

Trichromacy



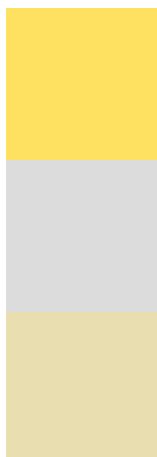
Original Color
90, 64.787, 93.549

Protanomaly
90, 64.492, 94.685

Deuteranomaly
90, 40.790, 88.314

Tritanomaly
90, 24.368, 73.173

Monochromacy



Original Color
90, 64.787, 93.549

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 24.703, 98.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 64.787, 93.549 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 64.787, 93.549 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, 97) }
```

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

```
.border{ border-color:rgb(255, 225, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 64.787, 93.549 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, 97) }
```

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

```
.background{ background-color: rgb(255,  
225, 97) }
```

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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