

Converting Colors

CIELCh(90, 62.731, 93.486)

Have a look what the booklet for
CIELCh(90, 62.731, 93.486) contains.

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Color

CIELCh(90, 62.654, 93.375)

Conversions

Conversions Part 1

Format	Color
Hex	FFE166
RGB	255, 225, 102
RGB Percent	100%, 88%, 40%
CMY	0.0000, 0.1164, 0.5988
CMYK	0.00, 0.12, 0.60, 0.00
HSL	48°, 100%, 70%
HSV	48°, 60%, 100%
XYZ	70.7817, 76.3034, 23.6444
YIQ	219.9480, 57.3630, -31.8930

Conversions

Conversions Part 2

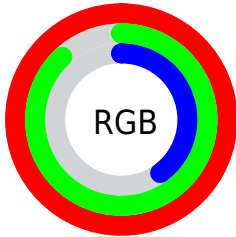
Format	Color
R _Y B	139, 255, 102
Decimal	16769382
CIE Lab	90.00, -3.69, 62.55
CIE LCh	90, 62.654, 93.375
Yxy	76.3034, 0.4146, 0.4469
Android (android.graphics.Color)	4294959462 (0xFFFFE166)
YUV	219.9480, -58.1484, 30.7406
Hunter-Lab	87.3518, -8.2259, 45.0977

Details

The CIELCh color **90, 62.654, 93.375** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **59, 69.523, 291.741**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 48.795, 106.446**, and **70, 62.520, 93.423** is the 20% darker color. If you saturate the color by 10%, you get **89, 71.515, 92.234**, and if you desaturate by 10%, it is **91, 52.759, 94.756**.

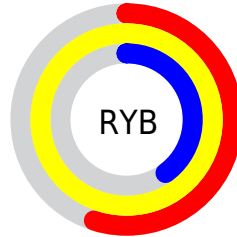
Distribution



Red (100%)

Green (88%)

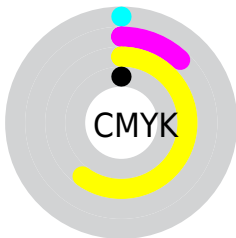
Blue (40%)



Red (55%)

Yellow (100%)

Blue (40%)

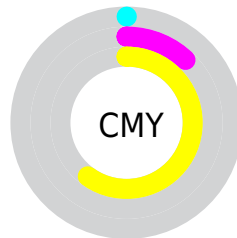


Cyan (0%)

Magenta (12%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 62.654, 93.375 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, 62.654, 93.375 by changing the saturation by 10% instead.

 90, 62.654, 93.375

 90, 62.654, 93.375

 100, 62.654,
93.375

 80, 62.654, 93.375

 70, 62.654, 93.375

 60, 62.654, 93.375

 50, 62.654, 93.375

 40, 62.654, 93.375

 30, 62.654, 93.375

 20, 62.654, 93.375

 10, 62.654, 93.375

 0, 62.654, 93.375

■ 90, 62.654, 93.375

■ 90, 62.654, 93.375

■ 89, 71.515, 92.234

■ 91, 52.759, 94.756

■ 87, 78.751, 90.934

■ 93, 42.386, 95.999

■ 86, 83.510, 89.555

■ 95, 31.781, 97.225

■ 85, 85.501, 88.041

■ 96, 21.105, 98.428

■ 85, 85.519, 88.023

■ 98, 10.451, 99.594

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, 62.654, 93.375



59, 69.523, 291.741

Rectangle

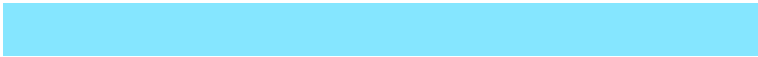
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 62.654, 93.375



90, 62.654, 143.375



90, 62.654, 273.375



90, 62.654, 323.375

Sweetspot

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



90, 62.622, 93.502



97, 19.095, 98.650



64, 62.037, 12.878



51, 13.281, 98.305



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, 62.622, 93.502



88, 73.212, 91.963



94, 75.605, 118.589



52, 6.011, 99.637



65, 68.987, 88.316



22, 30.591, 90.325

Inverse Universe

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



59, 69.523, 291.741



51, 85.326, 295.215



55, 87.033, 306.578



49, 6.083, 281.898



27, 95.025, 302.681



6, 37.857, 297.772

Previews

White Background



This preview shows how the CIE LCh color 90, 62.654, 93.375 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, 62.654, 93.375 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, 62.654, 93.375

Background



This preview shows how black text looks on a background with the CIELCh color 90, 62.654, 93.375.

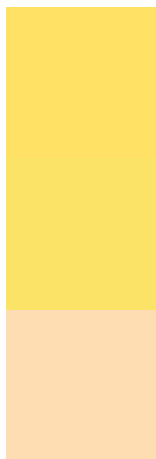


This preview shows how white text looks on a background with the CIELCh color 90, 62.654, 93.375.

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, 62.654, 93.375

Protanopia

90, 62.509, 95.741

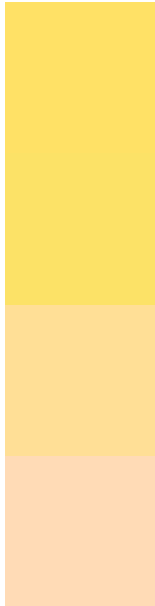
Deuteranopia

90, 26.091, 77.505



Tritanopia
90, 15.476, 356.922

Trichromacy



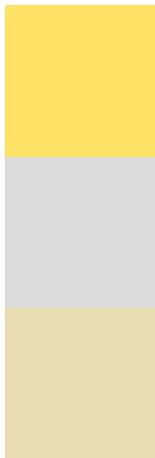
Original Color
90, 62.654, 93.375

Protanomaly
90, 62.262, 94.925

Deuteranomaly
90, 39.832, 87.977

Tritanomaly
90, 23.934, 72.536

Monochromacy



Original Color
90, 62.654, 93.375

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 23.689, 97.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 62.654, 93.375 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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(255, 225, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 62.654, 93.375 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, 102) }
```

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

```
.border{ border-color:rgb(255, 225, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 62.654, 93.375 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, 102) }
```

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

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