

Converting Colors

CIELCh(100, 80.678, 64.194)

Have a look what the booklet for
CIELCh(100, 80.678, 64.194)
contains.

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Color

CIELCh(90, 59.016, 93.461)

Conversions

Conversions Part 1

Format	Color
Hex	FEE16E
RGB	254, 225, 110
RGB Percent	100%, 88%, 43%
CMY	0.0027, 0.1162, 0.5671
CMYK	0.00, 0.11, 0.57, 0.00
HSL	48°, 99%, 72%
HSV	48°, 57%, 100%
XYZ	70.8407, 76.3034, 25.8560
YIQ	220.5610, 54.1990, -29.6170

Conversions

Conversions Part 2

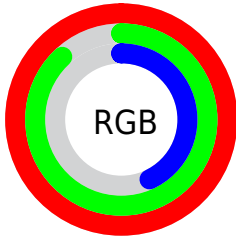
Format	Color
R _Y B	146, 254, 110
Decimal	16703854
CIE Lab	90.00, -3.56, 58.91
CIE LCh	90, 59.016, 93.461
Yxy	76.3034, 0.4095, 0.4411
Android (android.graphics.Color)	4294893934 (0xFFEE16E)
YUV	220.5610, -54.5066, 29.3260
Hunter-Lab	87.3518, -8.1054, 43.5965

Details

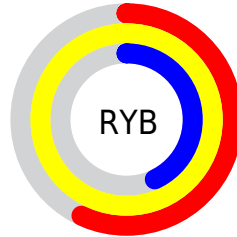
The CIELCh color **90, 59.016, 93.461** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 64.603, 290.508**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 44.955, 106.742**, and **70, 59.108, 93.646** is the 20% darker color. If you saturate the color by 10%, you get **88, 68.263, 92.185**, and if you desaturate by 10%, it is **92, 48.996, 94.728**.

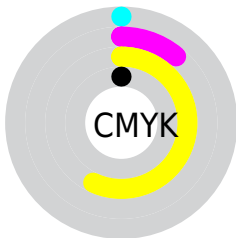
Distribution



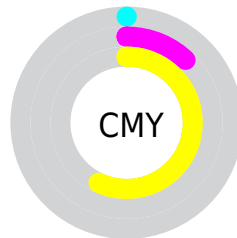
- Red (100%)
- Green (88%)
- Blue (43%)



- Red (57%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (11%)
- Yellow (57%)
- Black (0%)



- Cyan (0%)
- Magenta (12%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 59.016, 93.461 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, 59.016, 93.461 by changing the saturation by 10% instead.

90, 59.016, 93.461

90, 59.016, 93.461

100, 59.016,
93.461

80, 59.016, 93.461

70, 59.016, 93.461

60, 59.016, 93.461

50, 59.016, 93.461

40, 59.016, 93.461

30, 59.016, 93.461

20, 59.016, 93.461

10, 59.016, 93.461

0, 59.016, 93.461

■ 90, 59.016, 93.461

■ 90, 59.016, 93.461

■ 88, 68.263, 92.185

■ 92, 48.996, 94.728

■ 87, 76.125, 90.875

■ 93, 38.588, 95.976

■ 86, 81.798, 89.496

■ 95, 28.025, 97.204

■ 84, 84.579, 87.974

■ 97, 17.436, 98.404

■ 84, 85.084, 87.429

■ 99, 6.894, 99.557

100, 0.241,
202.139

Harmonies

Complementary

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



90, 59.016, 93.461



61, 64.603, 290.508

Rectangle

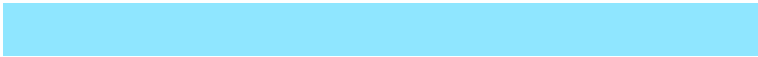
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 59.016, 93.461



90, 59.016, 143.461



90, 59.016, 273.461



90, 59.016, 323.461

Sweetspot

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



90, 59.017, 93.464



97, 17.906, 98.355



65, 58.498, 10.677



51, 11.985, 98.117



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, 59.017, 93.464



89, 69.622, 92.002



94, 71.598, 117.984



52, 5.969, 99.229



65, 68.777, 87.732



22, 30.444, 89.802

Inverse Universe

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



61, 64.603, 290.508



54, 79.346, 293.701



57, 81.885, 305.821



49, 6.038, 281.503



27, 94.347, 302.465



6, 37.610, 297.576

Previews

White Background



This preview shows how the CIELCh color 90, 59.016, 93.461 looks on a white background.

Color Contrast Check

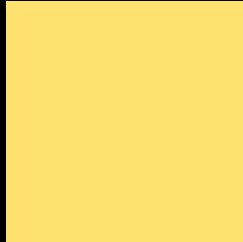
Large Text (above 18pt) WCAG AA × Fail

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, 59.016, 93.461 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, 59.016, 93.461

Background



This preview shows how black text looks on a background with the CIELCh color 90, 59.016, 93.461.

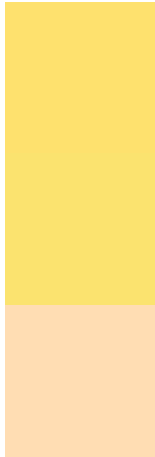


This preview shows how white text looks on a background with the CIELCh color 90, 59.016, 93.461.

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, 59.045, 93.435

Protanopia

90, 58.983, 95.529

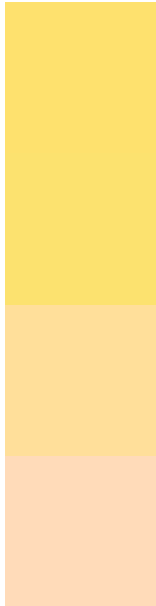
Deuteranopia

90, 25.639, 76.992



Tritanopia
90, 15.476, 356.922

Trichromacy



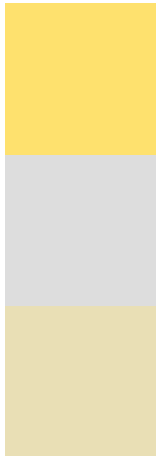
Original Color
90, 59.045, 93.435

Protanomaly
90, 58.735, 94.664

Deuteranomaly
90, 37.916, 87.236

Tritanomaly
90, 22.655, 70.471

Monochromacy



Original Color
90, 59.045, 93.435

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 22.078, 98.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 59.016, 93.461 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(254, 225, 110)` looks like.

```
.text, #text, p{  
    color:rgb(254, 225, 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(254, 225, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 225, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 59.016, 93.461 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(254, 225, 110) }
```

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

```
.border{ border-color:rgb(254, 225, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 225, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 225, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 225, 110);  
box-shadow:4px 4px 4px 4px rgb(254, 225,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 59.016, 93.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 225, 110) }
```

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

```
.background{ background-color: rgb(254,  
225, 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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