

Converting Colors

CIELCh(90, 40.164, 95.890)

Have a look what the booklet for
CIELCh(90, 40.164, 95.890) contains.

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Color

CIELCh(90, 40.194, 95.871)

Conversions

Conversions Part 1

Format	Color
Hex	F5E295
RGB	245, 226, 149
RGB Percent	96%, 89%, 58%
CMY	0.0375, 0.1120, 0.4141
CMYK	0.00, 0.08, 0.39, 0.04
HSL	48°, 83%, 77%
HSV	48°, 39%, 96%
XYZ	70.5838, 76.3034, 39.6124
YIQ	222.9030, 36.0410, -19.9190

Conversions

Conversions Part 2

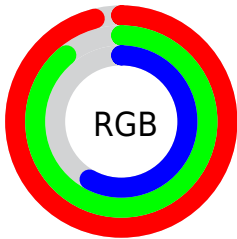
Format	Color
R _Y B	173, 245, 149
Decimal	16114325
CIE Lab	90.00, -4.11, 39.98
CIE LCh	90, 40.194, 95.871
Yxy	76.3034, 0.3785, 0.4091
Android (android.graphics.Color)	4294304405 (0xFFFF5E295)
YUV	222.9030, -36.4342, 19.3791
Hunter-Lab	87.3518, -8.6304, 34.2594

Details

The CIELCh color **90, 40.194, 95.871** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 42.293, 286.561**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **70, 40.206, 96.154** is the 20% darker color. If you saturate the color by 10%, you get **88, 50.260, 94.630**, and if you desaturate by 10%, it is **92, 29.930, 97.102**.

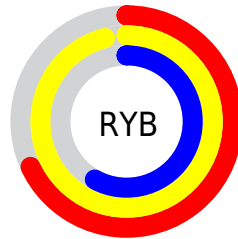
Distribution



Red (96%)

Green (89%)

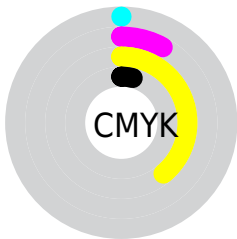
Blue (58%)



Red (68%)

Yellow (96%)

Blue (58%)

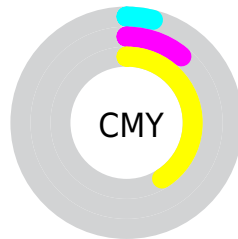


Cyan (0%)

Magenta (8%)

Yellow (39%)

Black (4%)



Cyan (4%)

Magenta (11%)


Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 40.194, 95.871 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, 40.194, 95.871 by changing the saturation by 10% instead.

 90, 40.194, 95.871

 90, 40.194, 95.871

 100, 40.194,
95.871


 80, 40.194, 95.871

 70, 40.194, 95.871

 60, 40.194, 95.871

 50, 40.194, 95.871

 40, 40.194, 95.871

 30, 40.194, 95.871

 20, 40.194, 95.871

 10, 40.194, 95.871

 0, 40.194, 95.871

90, 40.194, 95.871

90, 40.194, 95.871

88, 50.260, 94.630

92, 29.930, 97.102

87, 59.867, 93.372

93, 19.610, 98.304

86, 68.592, 92.099

95, 9.320, 99.467

84, 75.792, 90.792

97, 0.898, 280.826

83, 80.671, 89.406

98, 2.825, 250.075

82, 82.825, 87.880

99, 3.303, 199.396

81, 82.962, 87.745

Harmonies

Complementary

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



90, 40.194, 95.871



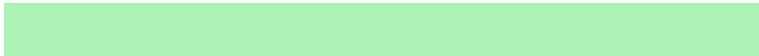
70, 42.293, 286.561

Rectangle

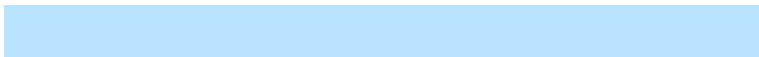
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 40.194, 95.871



90, 40.194, 145.871



90, 40.194, 275.871



90, 40.194, 325.871

Sweetspot

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



90, 40.195, 95.875



98, 12.655, 99.136



72, 38.728, 8.112



52, 8.399, 98.984



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, 40.195, 95.875



92, 49.656, 94.884



93, 49.552, 119.524



50, 5.791, 99.427



63, 67.514, 88.041



20, 28.201, 90.296

Inverse Universe

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



70, 42.293, 286.561



67, 53.104, 288.303



68, 53.831, 304.642



48, 5.859, 281.685



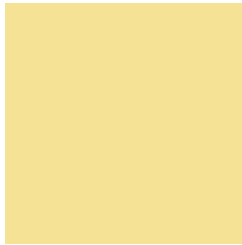
26, 92.634, 302.520



5, 34.395, 295.982

Previews

White Background



This preview shows how the CIE LCh color 90, 40.194, 95.871 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, 40.194, 95.871 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, 40.194, 95.871

Background



This preview shows how black text looks on a background with the CIELCh color 90, 40.194, 95.871.



This preview shows how white text looks on a background with the CIELCh color 90, 40.194, 95.871.

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, 40.194, 95.871

Protanopia

90, 40.280, 95.304

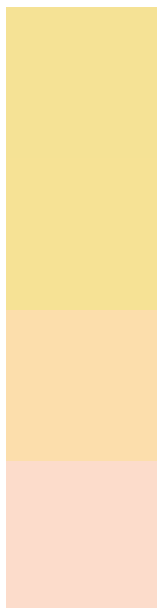
Deuteranopia

90, 22.808, 71.974



Tritanopia
90, 16.600, 348.639

Trichromacy



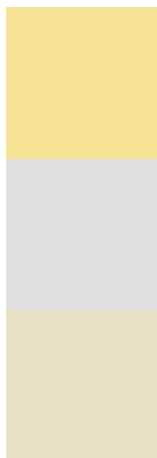
Original Color
90, 40.194, 95.871

Protanomaly
90, 40.280, 95.304

Deuteranomaly
90, 28.543, 83.451

Tritanomaly
90, 15.019, 55.734

Monochromacy



Original Color
90, 40.194, 95.871

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 14.736, 98.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 40.194, 95.871 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(245, 226, 149)` looks like.

```
.text, #text, p{  
    color:rgb(245, 226, 149)  
}
```

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(245, 226, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 226, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 40.194, 95.871 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(245, 226, 149) }
```

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

```
.border{ border-color:rgb(245, 226, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 226, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 226, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 226, 149); box-shadow:4px 4px 4px 4px rgb(245, 226, 149) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 40.194, 95.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 226, 149) }
```

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

```
.background{ background-color: rgb(245,  
226, 149) }
```

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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