

Converting Colors

CIELCh(91, 63.840, 95.010)

Have a look what the booklet for
CIELCh(91, 63.840, 95.010) contains.

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Color

CIELCh(91, 63.917, 95.112)

Conversions

Conversions Part 1

Format	Color
Hex	FFE566
RGB	255, 229, 102
RGB Percent	100%, 90%, 40%
CMY	0.0000, 0.1008, 0.5989
CMYK	0.00, 0.10, 0.60, 0.00
HSL	50°, 100%, 70%
HSV	50°, 60%, 100%
XYZ	71.8666, 78.4833, 24.0042
YIQ	222.2960, 56.2630, -33.9850

Conversions

Conversions Part 2

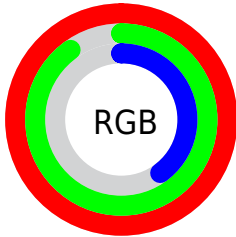
Format	Color
R_{YB}	133, 255, 102
Decimal	16770406
CIE Lab	91.00, -5.70, 63.66
CIE LCh	91, 63.917, 95.112
Yxy	78.4833, 0.4122, 0.4501
Android (android.graphics.Color)	4294960486 (0xFFFFE566)
YUV	222.2960, -59.3059, 28.6814
Hunter-Lab	88.5908, -10.2313, 45.9486

Details

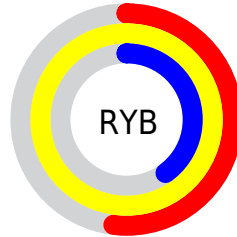
The CIELCh color **91, 63.917, 95.112** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **58, 71.940, 293.038**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 48.795, 106.446**, and **71, 64.006, 95.269** is the 20% darker color. If you saturate the color by 10%, you get **90, 72.811, 94.039**, and if you desaturate by 10%, it is **92, 53.931, 96.428**.

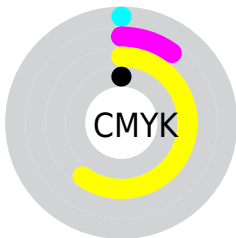
Distribution



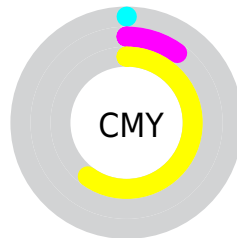
- Red (100%)
- Green (90%)
- Blue (40%)



- Red (52%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (10%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 63.917, 95.112 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 91, 63.917, 95.112 by changing the saturation by 10% instead.

 91, 63.917, 95.112

 91, 63.917, 95.112

 100, 63.917,
95.112

 81, 63.917, 95.112

 71, 63.917, 95.112

 61, 63.917, 95.112

 51, 63.917, 95.112

 41, 63.917, 95.112

 31, 63.917, 95.112

 21, 63.917, 95.112

 11, 63.917, 95.112

 1, 63.917, 95.112

■ 91, 63.917, 95.112

■ 91, 63.917, 95.112

■ 90, 72.811, 94.039

■ 92, 53.931, 96.428

■ 88, 80.006, 92.843

■ 94, 43.400, 97.625

■ 87, 84.685, 91.614

■ 95, 32.589, 98.815

■ 86, 86.609, 90.309

■ 97, 21.672, 99.986

■ 86, 86.625, 90.294

■ 98, 10.746,
101.125

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.



91, 63.917, 95.112



58, 71.940, 293.038

Rectangle

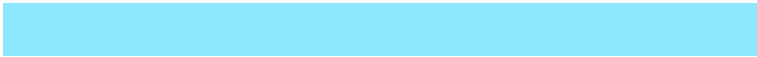
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 63.917, 95.112



91, 63.917, 145.112



91, 63.917, 275.112



91, 63.917, 325.112

Sweetspot

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



91, 63.892, 95.231



97, 19.606, 100.204



64, 62.151, 14.167



51, 13.631, 99.867



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 63.892, 95.231



89, 74.501, 93.787



94, 75.879, 119.297



52, 6.177, 101.168



66, 69.877, 90.540



22, 31.180, 92.303

Inverse Universe

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



58, 71.940, 293.038



50, 88.298, 296.417



55, 87.025, 307.014



49, 6.263, 283.379



26, 97.527, 303.453



5, 38.764, 298.464

Previews

White Background



This preview shows how the CIELCh color 91, 63.917, 95.112 looks on a white background.

Color Contrast Check

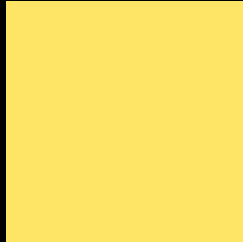
Large Text (above 18pt) WCAG AA × Fail

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 91, 63.917, 95.112 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 91, 63.917, 95.112

Background



This preview shows how black text looks on a background with the CIELCh color 91, 63.917, 95.112.



This preview shows how white text looks on a background with the CIELCh color 91, 63.917, 95.112.

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

91, 63.917, 95.112

Protanopia

91, 63.835, 95.485

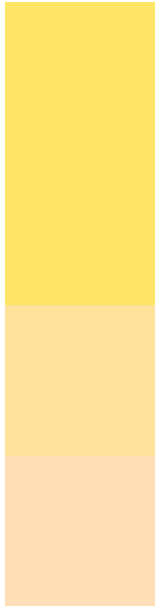
Deuteranopia

91, 22.677, 76.572



Tritanopia
91, 13.892, 356.291

Trichromacy



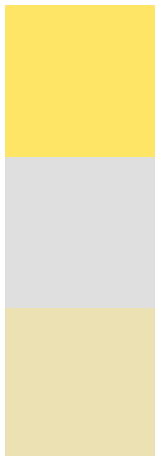
Original Color
91, 63.917, 95.112

Protanomaly
91, 63.835, 95.485

Deuteranomaly
91, 37.876, 89.218

Tritanomaly
91, 23.811, 76.928

Monochromacy



Original Color
91, 63.917, 95.112

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 24.069, 98.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 63.917, 95.112 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, 229, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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, 229, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 63.917, 95.112 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, 229, 102) }
```

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

```
.border{ border-color:rgb(255, 229, 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, 229, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 63.917, 95.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 102) }
```

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

```
.background{ background-color: rgb(255,  
229, 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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