

Converting Colors

CIELCh(91, 70.613, 95.223)

Have a look what the booklet for
CIELCh(91, 70.613, 95.223) contains.

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Color

CIELCh(91, 70.797, 95.801)

Conversions

Conversions Part 1

Format	Color
Hex	FFE656
RGB	255, 230, 86
RGB Percent	100%, 90%, 34%
CMY	0.0002, 0.0982, 0.6629
CMYK	0.00, 0.10, 0.66, 0.00
HSL	51°, 100%, 67%
HSV	51°, 66%, 100%
XYZ	71.1775, 78.4833, 20.1900
YIQ	221.0590, 61.1240, -39.4840

Conversions

Conversions Part 2

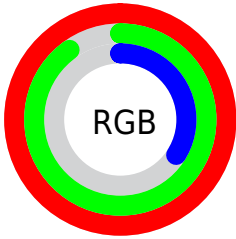
Format	Color
RYB	115, 255, 86
Decimal	16770646
CIELab	91.00, -7.16, 70.43
CIELCh	91, 70.797, 95.801
Yxy	78.4833, 0.4191, 0.4621
Android (android.graphics.Color)	4294960726 (0xFFFFE656)
YUV	221.0590, -66.5841, 29.7663
Hunter-Lab	88.5908, -11.6196, 48.5013

Details

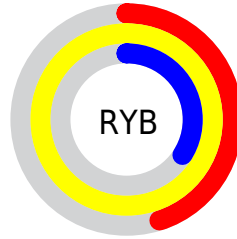
The CIELCh color **91, 70.797, 95.801** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **52, 82.655, 295.712**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 55.849, 105.903**, and **71, 70.868, 95.776** is the 20% darker color. If you saturate the color by 10%, you get **90, 78.701, 94.686**, and if you desaturate by 10%, it is **92, 61.385, 96.943**.

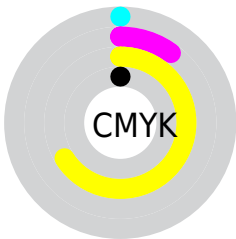
Distribution



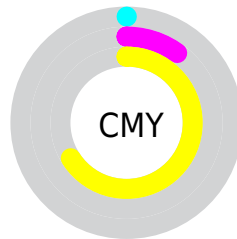
- Red (100%)
- Green (90%)
- Blue (34%)



- Red (45%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (10%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 70.797, 95.801 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, 70.797, 95.801 by changing the saturation by 10% instead.

91, 70.797, 95.801

91, 70.797, 95.801

100, 70.797,
95.801

81, 70.797, 95.801

71, 70.797, 95.801

61, 70.797, 95.801

51, 70.797, 95.801

41, 70.797, 95.801

31, 70.797, 95.801

21, 70.797, 95.801

11, 70.797, 95.801

1, 70.797, 95.801

91, 70.797, 95.801

91, 70.797, 95.801

90, 78.701, 94.686

92, 61.385, 96.943

89, 84.332, 93.578

93, 51.075, 98.099

88, 87.077, 92.446

95, 40.274, 99.261

87, 87.582, 92.018

96, 29.233,
100.417

98, 18.102,
101.556

99, 6.967, 102.657

100, 0.023,
230.213

Harmonies

Complementary

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



91, 70.797, 95.801



52, 82.655, 295.712

Rectangle

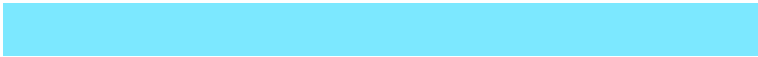
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 70.797, 95.801



91, 70.797, 145.801



91, 70.797, 275.801



91, 70.797, 325.801

Sweetspot

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



91, 70.797, 95.804



97, 22.244, 101.136



61, 69.106, 18.757



51, 15.179, 100.816



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, 70.797, 95.804



90, 81.114, 94.274



93, 83.136, 120.570



53, 6.311, 102.309



67, 70.656, 92.227



23, 31.661, 93.789

Inverse Universe

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



52, 82.655, 295.712



44, 101.626, 299.548



52, 96.255, 308.373



49, 6.406, 284.481



26, 99.321, 303.985



5, 39.421, 298.939

Previews

White Background



This preview shows how the CIELCh color 91, 70.797, 95.801 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, 70.797, 95.801 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, 70.797, 95.801

Background



This preview shows how black text looks on a background with the CIELCh color 91, 70.797, 95.801.

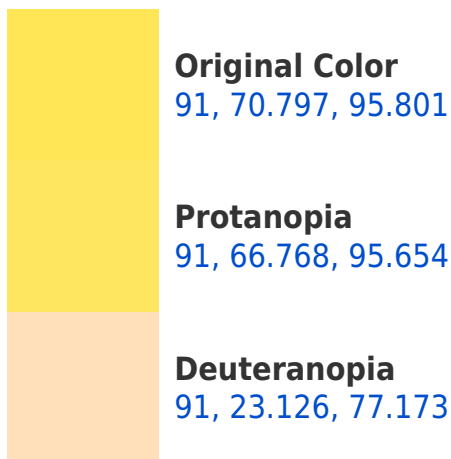


This preview shows how white text looks on a background with the CIELCh color 91, 70.797, 95.801.

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](#).

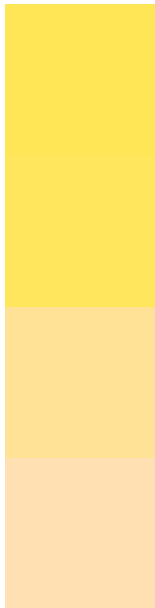
Dichromacy





Tritanopia
91, 13.892, 356.291

Trichromacy



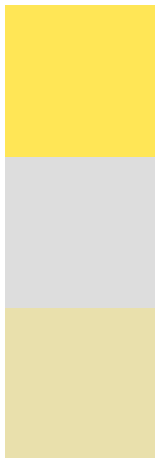
Original Color
91, 70.797, 95.801

Protanomaly
91, 68.409, 95.720

Deuteranomaly
91, 40.768, 90.167

Tritanomaly
91, 26.794, 81.184

Monochromacy



Original Color
91, 70.797, 95.801

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 27.075, 100.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 70.797, 95.801 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, 230, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 86)  
}
```

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, 230, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 70.797, 95.801 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, 230, 86) }
```

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

```
.border{ border-color:rgb(255, 230, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 70.797, 95.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 86) }
```

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

```
.background{ background-color: rgb(255,  
230, 86) }
```

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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