

Converting Colors

CIELCh(96, 75.621, 77.702)

Have a look what the booklet for
CIELCh(96, 75.621, 77.702) contains.

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Color

CIELCh(91, 67.276, 95.288)

Conversions

Conversions Part 1

Format	Color
Hex	FFE55E
RGB	255, 229, 94
RGB Percent	100%, 90%, 37%
CMY	0.0000, 0.1000, 0.6295
CMYK	0.00, 0.10, 0.63, 0.00
HSL	50°, 100%, 69%
HSV	50°, 63%, 100%
XYZ	71.6278, 78.4833, 22.0753
YIQ	221.3840, 58.8310, -36.4730

Conversions

Conversions Part 2

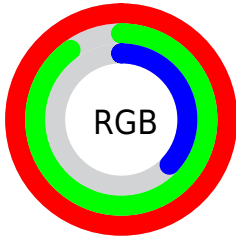
Format	Color
R _Y B	125, 255, 94
Decimal	16770398
CIE Lab	91.00, -6.20, 66.99
CIE LCh	91, 67.276, 95.288
Yxy	78.4833, 0.4160, 0.4558
Android (android.graphics.Color)	4294960478 (0xFFFFE55E)
YUV	221.3840, -62.8003, 29.4812
Hunter-Lab	88.5908, -10.7124, 47.2395

Details

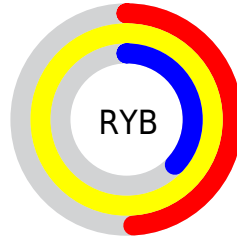
The CIELCh color **91, 67.276, 95.288** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **55, 76.961, 294.303**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 52.583, 106.154**, and **71, 67.371, 95.336** is the 20% darker color. If you saturate the color by 10%, you get **90, 75.714, 94.315**, and if you desaturate by 10%, it is **92, 57.502, 96.649**.

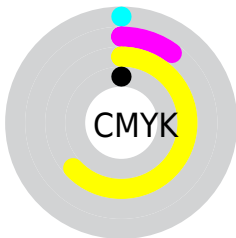
Distribution



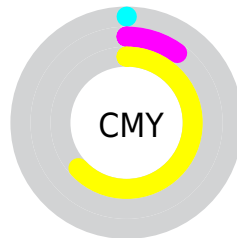
- Red (100%)
- Green (90%)
- Blue (37%)



- Red (49%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (10%)
- Yellow (63%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 67.276, 95.288 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, 67.276, 95.288 by changing the saturation by 10% instead.

 91, 67.276, 95.288

 91, 67.276, 95.288

 100, 67.276,
95.288

 81, 67.276, 95.288

 71, 67.276, 95.288

 61, 67.276, 95.288

 51, 67.276, 95.288

 41, 67.276, 95.288

 31, 67.276, 95.288

 21, 67.276, 95.288

 11, 67.276, 95.288

 1, 67.276, 95.288

91, 67.276, 95.288

91, 67.276, 95.288

90, 75.714, 94.315

92, 57.502, 96.649

89, 82.205, 93.157

94, 47.054, 97.829

88, 85.968, 91.968

95, 36.235, 99.008

87, 87.061, 91.093

96, 25.251,
100.174

98, 14.224,
101.315

100, 3.223,
102.392

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, 67.276, 95.288



55, 76.961, 294.303

Rectangle

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



91, 67.276, 95.288



91, 67.276, 145.288



91, 67.276, 275.288



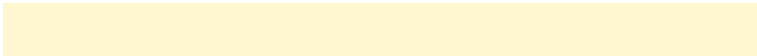
91, 67.276, 325.288

Sweetspot

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



91, 67.235, 95.476



97, 20.897, 100.628



62, 65.460, 16.381



51, 14.387, 100.300



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, 67.235, 95.476



89, 77.943, 93.963



94, 79.424, 119.925



52, 6.238, 101.699



67, 70.227, 91.321



23, 31.399, 92.993

Inverse Universe

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



55, 76.961, 294.303



47, 94.852, 297.974



54, 91.522, 307.702



49, 6.329, 283.892



26, 98.371, 303.705



5, 39.069, 298.687

Previews

White Background



This preview shows how the CIELCh color 91, 67.276, 95.288 looks on a white background.

Color Contrast Check

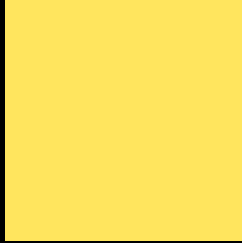
Large Text (above 18pt) WCAG AA × Fail

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, 67.276, 95.288 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, 67.276, 95.288

Background



This preview shows how black text looks on a background with the CIELCh color 91, 67.276, 95.288.



This preview shows how white text looks on a background with the CIELCh color 91, 67.276, 95.288.

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, 67.276, 95.288

Protanopia

91, 66.864, 95.268

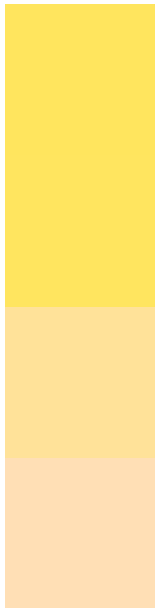
Deuteranopia

91, 23.126, 77.173



Tritanopia
91, 13.892, 356.291

Trichromacy



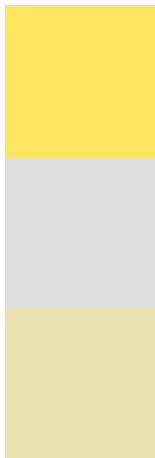
Original Color
91, 67.276, 95.288

Protanomaly
91, 66.864, 95.268

Deuteranomaly
91, 39.323, 89.715

Tritanomaly
90, 25.170, 78.545

Monochromacy



Original Color
91, 67.276, 95.288

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 25.532, 100.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 67.276, 95.288 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 67.276, 95.288 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, 94) }
```

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

```
.border{ border-color:rgb(255, 229, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 67.276, 95.288 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, 94) }
```

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

```
.background{ background-color: rgb(255,  
229, 94) }
```

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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