

Converting Colors

CIELCh(90, 89.766, 95.262)

Have a look what the booklet for
CIELCh(90, 89.766, 95.262) contains.

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Color

CIELCh(90, 89.636, 95.086)

Conversions

Conversions Part 1

Format	Color
Hex	FFE301
RGB	255, 227, 1
RGB Percent	100%, 89%, 0%
CMY	0.0000, 0.1092, 0.9979
CMYK	0.00, 0.11, 1.00, 0.00
HSL	53°, 100%, 50%
HSV	53°, 100%, 100%
XYZ	68.8055, 76.3034, 11.1164
YIQ	209.6080, 89.2340, -64.3500

Conversions

Conversions Part 2

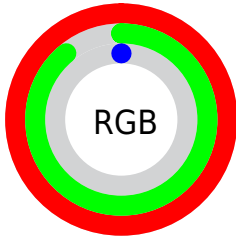
Format	Color
R _Y B	32, 255, 1
Decimal	16769793
CIE Lab	90.00, -7.95, 89.28
CIE LCh	90, 89.636, 95.086
Yxy	76.3034, 0.4404, 0.4884
Android (android.graphics.Color)	4294959873 (0xFFFFE301)
YUV	209.6080, -102.8437, 39.8088
Hunter-Lab	87.3518, -12.2643, 53.6010

Details

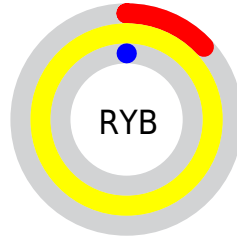
The CIELCh color **90, 89.636, 95.086** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **34, 128.046, 305.070**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.517, 104.262**, and **70, 72.819, 95.303** is the 20% darker color. If you saturate the color by 10%, you get **90, 89.655, 95.112**, and if you desaturate by 10%, it is **91, 87.708, 95.986**.

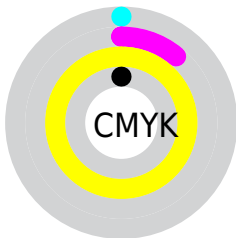
Distribution



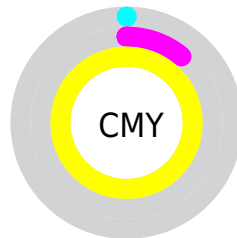
- Red (100%)
- Green (89%)
- Blue (0%)



- Red (13%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 89.636, 95.086 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, 89.636, 95.086 by changing the saturation by 10% instead.

 90, 89.636, 95.086

 90, 89.636, 95.086

 100, 89.636,
95.086

 80, 89.636, 95.086

 70, 89.636, 95.086

 60, 89.636, 95.086

 50, 89.636, 95.086

 40, 89.636, 95.086

 30, 89.636, 95.086

 20, 89.636, 95.086

 10, 89.636, 95.086

 0, 89.636, 95.086

■ 90, 89.636, 95.086

■ 90, 89.636, 95.086

■ 90, 89.655, 95.112

■ 91, 87.708, 95.986

■ 92, 83.076, 96.881

■ 92, 75.879, 97.837

■ 93, 66.830, 98.853

■ 94, 56.598, 99.917

■ 95, 45.670,
101.010

■ 96, 34.362,
102.114

■ 98, 22.867,
103.213

■ 99, 11.304,
104.293

Harmonies

Complementary

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



90, 89.636, 95.086



34, 128.046, 305.070

Rectangle

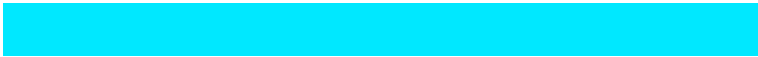
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 89.636, 95.086



90, 89.636, 145.086



90, 89.636, 275.086



90, 89.636, 325.086

Sweetspot

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



90, 89.625, 95.130



96, 34.607, 102.090



53, 99.078, 35.805



51, 23.571, 101.624



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, 89.625, 95.130



90, 89.655, 95.112



91, 105.167, 123.946



53, 6.567, 104.323



69, 72.299, 95.257



24, 32.608, 96.433

Inverse Universe

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



34, 128.046, 305.070



34, 128.204, 305.098



38, 128.069, 309.381



49, 6.682, 286.424



25, 102.252, 304.820



5, 40.646, 299.764

Previews

White Background



This preview shows how the CIE LCh color 90, 89.636, 95.086 looks on a white background.

Color Contrast Check

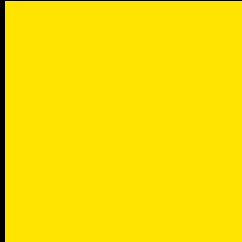
Large Text (above 18pt) WCAG AA × Fail

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, 89.636, 95.086 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, 89.636, 95.086

Background



This preview shows how black text looks on a background with the CIELCh color 90, 89.636, 95.086.



This preview shows how white text looks on a background with the CIELCh color 90, 89.636, 95.086.

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, 89.557, 95.085

Protanopia

90, 85.427, 95.056

Deuteranopia

90, 27.919, 79.374



Tritanopia
90, 15.296, 358.717

Trichromacy



Original Color
90, 89.557, 95.085

Protanomaly
90, 87.579, 95.075

Deuteranomaly
89, 58.079, 92.023

Tritanomaly
89, 41.337, 86.636

Monochromacy



Original Color
90, 89.557, 95.085

Achromatopsia
84, 0.010, 296.813

Achromatomaly
86, 42.380, 100.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 89.636, 95.086 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, 227, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 1)  
}
```

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, 227, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 89.636, 95.086 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, 227, 1) }
```

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

```
.border{ border-color:rgb(255, 227, 1) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 89.636, 95.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 1) }
```

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

```
.background{ background-color: rgb(255,  
227, 1) }
```

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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