

Converting Colors

CIELCh(90, 89.418, 94.785)

Have a look what the booklet for
CIELCh(90, 89.418, 94.785) contains.

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Color

CIELCh(90, 89.398, 95.085)

Conversions

Conversions Part 1

Format	Color
Hex	FFE304
RGB	255, 227, 4
RGB Percent	100%, 89%, 2%
CMY	0.0000, 0.1093, 0.9862
CMYK	0.00, 0.11, 0.99, 0.00
HSL	53°, 100%, 51%
HSV	53°, 99%, 100%
XYZ	68.8159, 76.3034, 11.2011
YIQ	209.9500, 88.2710, -63.4170

Conversions

Conversions Part 2

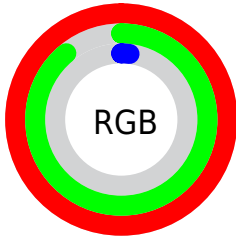
Format	Color
RYB	36, 255, 4
Decimal	16769796
CIELab	90.00, -7.92, 89.05
CIElCh	90, 89.398, 95.085
Yxy	76.3034, 0.4402, 0.4881
Android (android.graphics.Color)	4294959876 (0xFFFFE304)
YUV	209.9500, -101.5333, 39.5089
Hunter-Lab	87.3518, -12.2430, 53.5435

Details

The CIELCh color **90, 89.398, 95.085** 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, 127.043, 304.883**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **70, 72.819, 95.303** is the 20% darker color. If you saturate the color by 10%, you get **90, 89.579, 95.008**, and if you desaturate by 10%, it is **91, 87.243, 95.995**.

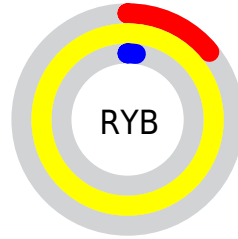
Distribution



Red (100%)

Green (89%)

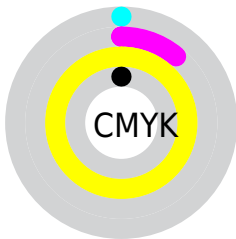
Blue (2%)



Red (14%)

Yellow (100%)

Blue (2%)

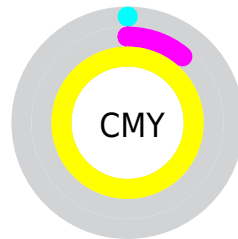


Cyan (0%)

Magenta (11%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 89.398, 95.085 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, 89.398, 95.085 by changing the saturation by 10% instead.

 90, 89.398, 95.085

 90, 89.398, 95.085

 100, 89.398,
95.085

 80, 89.398, 95.085

 70, 89.398, 95.085

 60, 89.398, 95.085

 50, 89.398, 95.085

 40, 89.398, 95.085

 30, 89.398, 95.085

 20, 89.398, 95.085

 10, 89.398, 95.085

 0, 89.398, 95.085

■ 90, 89.398, 95.085

■ 90, 89.398, 95.085

■ 90, 89.579, 95.008

■ 91, 87.243, 95.995

■ 92, 82.282, 96.903

■ 92, 74.832, 97.871

■ 93, 65.617, 98.899

■ 94, 55.290, 99.969

■ 95, 44.314,
101.067

■ 96, 32.987,
102.173

■ 98, 21.494,
103.272

■ 99, 9.942, 104.349

Harmonies

Complementary

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



90, 89.398, 95.085



34, 127.043, 304.883

Rectangle

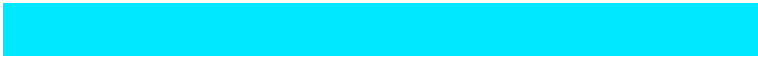
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 89.398, 95.085



90, 89.398, 145.085



90, 89.398, 275.085



90, 89.398, 325.085

Sweetspot

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



90, 89.388, 95.126



96, 34.563, 102.020



53, 98.311, 35.343



51, 23.542, 101.554



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, 89.388, 95.126



90, 89.579, 95.008



91, 104.813, 123.807



53, 6.558, 104.256



69, 72.238, 95.156



24, 32.574, 96.345

Inverse Universe

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



34, 127.043, 304.883



34, 128.099, 305.075



38, 127.510, 309.435



49, 6.672, 286.360



25, 102.161, 304.795



5, 40.604, 299.737

Previews

White Background



This preview shows how the CIELCh color 90, 89.398, 95.085 looks on a white background.

Color Contrast Check

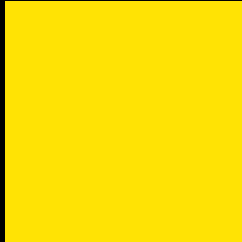
Large Text (above 18pt) WCAG AA × Fail

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, 89.398, 95.085 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, 89.398, 95.085

Background



This preview shows how black text looks on a background with the CIELCh color 90, 89.398, 95.085.



This preview shows how white text looks on a background with the CIELCh color 90, 89.398, 95.085.

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](#).

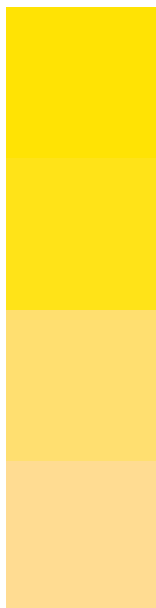
Dichromacy





Tritanopia
90, 15.296, 358.717

Trichromacy



Original Color
90, 89.319, 95.084

Protanomaly
90, 87.301, 95.073

Deuteranomaly
89, 57.630, 91.965

Tritanomaly
89, 40.861, 86.455

Monochromacy



Original Color
90, 89.319, 95.084

Achromatopsia
84, 0.010, 296.813

Achromatomaly
86, 41.887, 100.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 89.398, 95.085 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 90, 89.398, 95.085 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, 4) }
```

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

```
.border{ border-color:rgb(255, 227, 4) }
```

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, 4) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 90, 89.398, 95.085 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, 4) }
```

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

```
.background{ background-color: rgb(255,  
227, 4) }
```

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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