

Converting Colors

CIELCh(91, 85.595, 96.039)

Have a look what the booklet for
CIELCh(91, 85.595, 96.039) contains.

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Color

CIELCh(91, 85.620, 96.323)

Conversions

Conversions Part 1

Format	Color
Hex	FFE727
RGB	255, 231, 39
RGB Percent	100%, 91%, 15%
CMY	0.0004, 0.0945, 0.8476
CMYK	0.00, 0.09, 0.85, 0.00
HSL	53°, 100%, 58%
HSV	53°, 85%, 100%
XYZ	70.1135, 78.4833, 13.3602
YIQ	216.2880, 75.9360, -54.6240

Conversions

Conversions Part 2

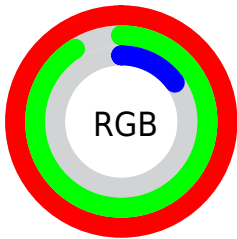
Format	Color
RYB	66, 255, 39
Decimal	16770855
CIELab	91.00, -9.43, 85.10
CIELCh	91, 85.620, 96.323
Yxy	78.4833, 0.4329, 0.4846
Android (android.graphics.Color)	4294960935 (0xFFFFE727)
YUV	216.2880, -87.4030, 33.9504
Hunter-Lab	88.5908, -13.7635, 53.0721

Details

The CIELCh color **91, 85.620, 96.323** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **40, 112.297, 302.075**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 71.641, 104.701**, and **71, 73.858, 96.510** is the 20% darker color. If you saturate the color by 10%, you get **90, 88.802, 95.444**, and if you desaturate by 10%, it is **92, 79.619, 97.257**.

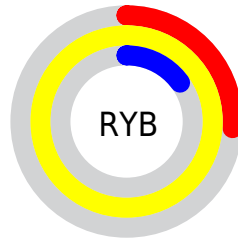
Distribution



Red (100%)

Green (91%)

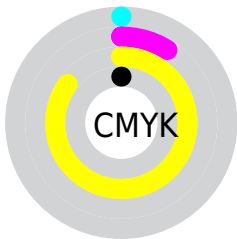
Blue (15%)



Red (26%)

Yellow (100%)

Blue (15%)

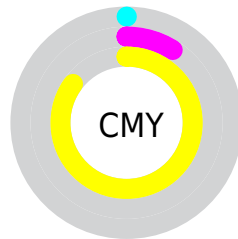


Cyan (0%)

Magenta (9%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 85.620, 96.323 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, 85.620, 96.323 by changing the saturation by 10% instead.

 91, 85.620, 96.323

 91, 85.620, 96.323

 100, 85.620,
96.323

 81, 85.620, 96.323

 71, 85.620, 96.323

 61, 85.620, 96.323

 51, 85.620, 96.323

 41, 85.620, 96.323

 31, 85.620, 96.323

 21, 85.620, 96.323

 11, 85.620, 96.323

 1, 85.620, 96.323

91, 85.620, 96.323

91, 85.620, 96.323

90, 88.802, 95.444

92, 79.619, 97.257

90, 89.539, 94.992

93, 71.401, 98.250

94, 61.693, 99.297

95, 51.074,
100.380

96, 39.940,
101.483

97, 28.538,
102.589

98, 17.019,
103.682

99, 5.470, 104.740

100, 0.038,
217.156

Harmonies

Complementary

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



91, 85.620, 96.323



40, 112.297, 302.075

Rectangle

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



91, 85.620, 96.323



91, 85.620, 146.323



91, 85.620, 276.323



91, 85.620, 326.323

Sweetspot

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



91, 85.619, 96.325



97, 28.832, 102.561



55, 87.691, 28.851



51, 19.655, 102.173



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, 85.619, 96.325



90, 89.567, 94.991



92, 98.946, 122.408



53, 6.557, 104.245



69, 72.229, 95.140



24, 32.569, 96.331

Inverse Universe

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



40, 112.297, 302.075



34, 128.083, 305.071



42, 118.278, 309.868



49, 6.671, 286.349



25, 102.147, 304.791



5, 40.597, 299.733

Previews

White Background



This preview shows how the CIELCh color 91, 85.620, 96.323 looks on a white background.

Color Contrast Check

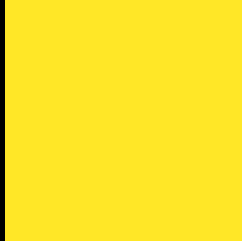
Large Text (above 18pt) WCAG AA × Fail

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, 85.620, 96.323 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, 85.620, 96.323

Background



This preview shows how black text looks on a background with the CIELCh color 91, 85.620, 96.323.



This preview shows how white text looks on a background with the CIELCh color 91, 85.620, 96.323.

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, 85.620, 96.323

Protanopia

91, 68.409, 95.720

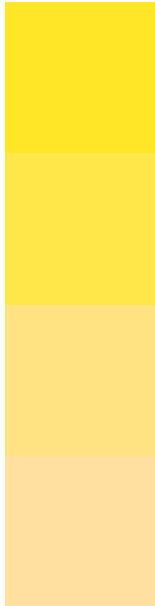
Deuteranopia

91, 24.264, 79.647



Tritanopia
91, 13.892, 356.291

Trichromacy



Original Color
91, 85.620, 96.323

Protanomaly
91, 75.627, 95.918

Deuteranomaly
91, 50.156, 92.799

Tritanomaly
90, 34.857, 86.569

Monochromacy



Original Color
91, 85.620, 96.323

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 35.729, 101.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 85.620, 96.323 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, 231, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 39)  
}
```

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, 231, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 85.620, 96.323 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, 231, 39) }
```

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

```
.border{ border-color:rgb(255, 231, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 85.620, 96.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 39) }
```

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

```
.background{ background-color: rgb(255,  
231, 39) }
```

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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