

Converting Colors

CIELCh(95, 88.048, 109.689)

Have a look what the booklet for
CIELCh(95, 88.048, 109.689)
contains.

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Color

CIELCh(95, 87.847, 109.720)

Conversions

Conversions Part 1

Format	Color
Hex	E6FD3B
RGB	230, 253, 59
RGB Percent	90%, 99%, 23%
CMY	0.0969, 0.0067, 0.7673
CMYK	0.09, 0.00, 0.77, 0.01
HSL	67°, 98%, 61%
HSV	67°, 77%, 99%
XYZ	68.7395, 87.6183, 17.4731
YIQ	224.0070, 48.5660, -65.2100

Conversions

Conversions Part 2

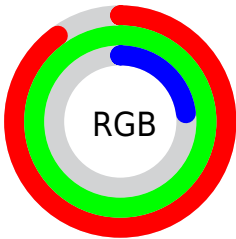
Format	Color
R_{YB}	59, 253, 82
Decimal	15138107
CIE _{Lab}	95.00, -29.64, 82.70
CIE _{LCh}	95, 87.847, 109.720
Yxy	87.6183, 0.3954, 0.5040
Android (android.graphics.Color)	4293328187 (0xFFE6FD3B)
YUV	224.0070, -81.3485, 5.2559
Hunter-Lab	93.6047, -32.7250, 54.4556

Details

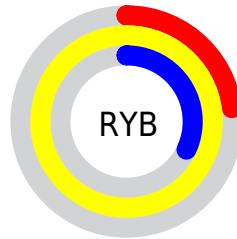
The CIELCh color **95, 87.847, 109.720** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **41, 111.752, 304.804**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 65.303, 105.181**, and **75, 80.472, 110.920** is the 20% darker color. If you saturate the color by 10%, you get **95, 93.651, 109.712**, and if you desaturate by 10%, it is **95, 79.650, 110.020**.

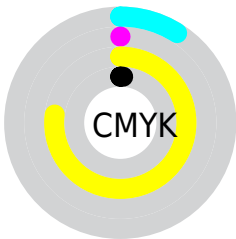
Distribution



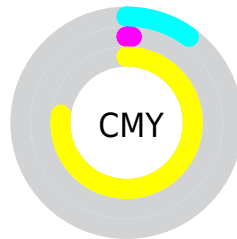
- Red (90%)
- Green (99%)
- Blue (23%)



- Red (23%)
- Yellow (99%)
- Blue (32%)



- Cyan (9%)
- Magenta (0%)
- Yellow (77%)
- Black (1%)





- Cyan (10%)
- Magenta (1%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 87.847, 109.720 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 95, 87.847, 109.720 by changing the saturation by 10% instead.


 95, 87.847,
109.720


 95, 87.847,
109.720


 100, 87.847,
109.720


 85, 87.847,
109.720

 75, 87.847,
109.720

 65, 87.847,
109.720


 55, 87.847,
109.720

 45, 87.847,
109.720


 35, 87.847,
109.720


 25, 87.847,


109.720


 15, 87.847,
109.720


 5, 87.847, 109.720


 95, 87.847,
109.720


 95, 87.847,
109.720


 95, 93.651,
109.712


 95, 79.650,
110.020

 94, 96.741,
110.037

 96, 69.661,
110.532

 94, 97.401,
110.198

 96, 58.460,
111.186

 97, 46.488,
111.927

97, 34.045,
112.714

98, 21.330,
113.517

99, 8.471, 114.314

100, 0.957,
312.365

100, 1.073,
324.191

Harmonies

Complementary

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



95, 87.847, 109.720



41, 111.752, 304.804

Rectangle

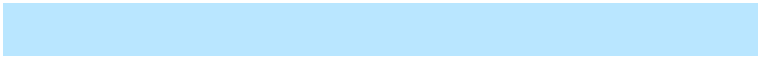
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 87.847, 109.720



95, 87.847, 159.720



95, 87.847, 289.720



95, 87.847, 339.720

Sweetspot

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



95, 87.847, 109.722



98, 29.692, 112.999



59, 80.501, 37.658



52, 20.510, 112.709



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 87.847, 109.722



95, 96.161, 109.847



90, 99.241, 130.078



53, 7.371, 114.082



73, 78.828, 110.079



25, 35.745, 109.481

Inverse Universe

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



41, 111.752, 304.804



35, 128.842, 306.357



52, 106.711, 315.765



49, 7.535, 295.633



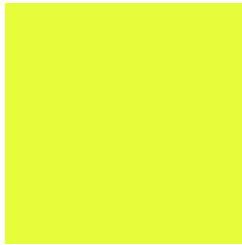
24, 107.073, 306.695



4, 44.398, 304.059

Previews

White Background



This preview shows how the CIE LCh color 95, 87.847, 109.720 looks on a white background.

Color Contrast Check

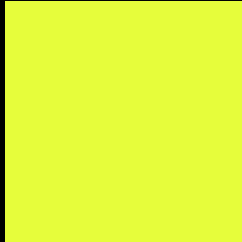
Large Text (above 18pt) WCAG AA × Fail

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 95, 87.847, 109.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

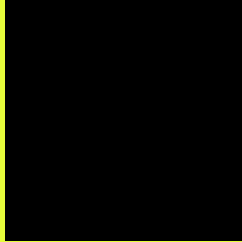
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 87.847, 109.720

Background



This preview shows how black text looks on a background with the CIELCh color 95, 87.847, 109.720.



This preview shows how white text looks on a background with the CIELCh color 95, 87.847, 109.720.

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

95, 87.847, 109.720

Protanopia

95, 30.616, 96.808

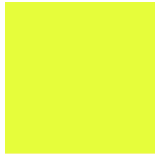
Deuteranopia

95, 12.454, 78.957



Tritanopia
95, 10.677, 313.821

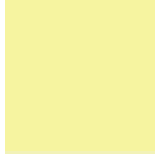
Trichromacy



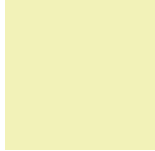
Original Color
95, 87.847, 109.720



Protanomaly
95, 53.811, 105.503



Deuteranomaly
95, 42.354, 105.764

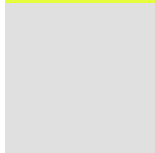


Tritanomaly
94, 29.504, 107.843

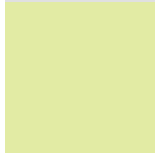
Monochromacy



Original Color
95, 87.847, 109.720



Achromatopsia
89, 0.011, 296.813



Achromatomaly
91, 36.369, 112.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 87.847, 109.720 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(230, 253, 59)` looks like.

```
.text, #text, p{  
    color:rgb(230, 253, 59)  
}
```

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(230, 253, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 253, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 87.847, 109.720 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(230, 253, 59) }
```

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

```
.border{ border-color:rgb(230, 253, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 253, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 253, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 253, 59);  
box-shadow:4px 4px 4px 4px rgb(230, 253,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 87.847, 109.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 253, 59) }
```

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

```
.background{ background-color: rgb(230,  
253, 59) }
```

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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