

Converting Colors

CIELCh(95, 74.930, 116.186)

Have a look what the booklet for
CIELCh(95, 74.930, 116.186)
contains.

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Color

CIELCh(95, 74.887, 116.040)

Conversions

Conversions Part 1

Format	Color
Hex	DAFF66
RGB	218, 255, 102
RGB Percent	85%, 100%, 40%
CMY	0.1440, 0.0000, 0.5989
CMYK	0.14, 0.00, 0.60, 0.00
HSL	74°, 100%, 70%
HSV	74°, 60%, 100%
XYZ	67.2644, 87.6183, 26.0091
YIQ	226.4950, 27.0610, -55.4270

Conversions

Conversions Part 2

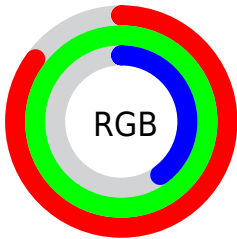
Format	Color
RYB	102, 255, 139
Decimal	14352230
CIELab	95.00, -32.88, 67.29
CIElCh	95, 74.887, 116.040
Yxy	87.6183, 0.3718, 0.4844
Android (android.graphics.Color)	4292542310 (0xFFDAFF66)
YUV	226.4950, -61.3760, -7.4501
Hunter-Lab	93.6047, -35.5380, 49.0489

Details

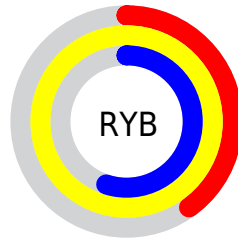
The CIELCh color **95, 74.887, 116.040** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **54, 87.123, 305.060**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 48.317, 106.483**, and **75, 74.846, 115.964** is the 20% darker color. If you saturate the color by 10%, you get **94, 84.556, 115.734**, and if you desaturate by 10%, it is **96, 63.585, 116.422**.

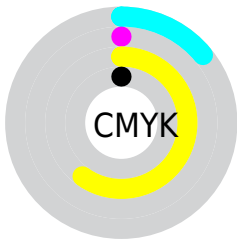
Distribution



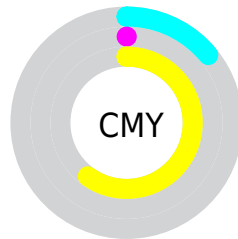
- Red (85%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (55%)



- Cyan (14%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 74.887, 116.040 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, 74.887, 116.040 by changing the saturation by 10% instead.


 95, 74.887,
116.040


 95, 74.887,
116.040


 100, 74.887,
116.040


 85, 74.887,
116.040

 75, 74.887,
116.040

 65, 74.887,
116.040

 55, 74.887,
116.040

 45, 74.887,
116.040

 35, 74.887,
116.040

 25, 74.887,

116.040

■ 15, 74.887,
116.040

■ 5, 74.887, 116.040

■ 95, 74.887,
116.040

■ 95, 74.887,
116.040

■ 94, 84.556,
115.734

■ 96, 63.585,
116.422

■ 94, 92.398,
115.790

■ 96, 51.538,
116.985

■ 93, 97.725,
116.245

■ 97, 38.949,
117.611

■ 93, 100.578,
117.110

■ 98, 26.046,
118.263

■ 93, 100.605,
117.120

■ 99, 12.977,
118.916

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.



95, 74.887, 116.040



54, 87.123, 305.060

Rectangle

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



95, 74.887, 116.040



95, 74.887, 166.040



95, 74.887, 296.040



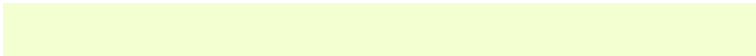
95, 74.887, 346.040

Sweetspot

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



95, 74.751, 115.979



98, 23.585, 118.387



70, 56.624, 43.194



52, 16.373, 118.196



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, 74.751, 115.979



94, 86.395, 115.717



91, 85.062, 133.559



53, 7.460, 118.941



72, 80.940, 116.902



25, 36.469, 115.723

Inverse Universe

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



54, 87.123, 305.060



46, 104.973, 306.359



63, 87.960, 319.145



49, 7.613, 300.175



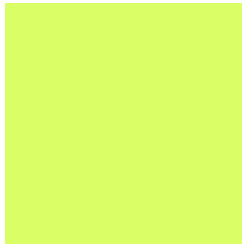
25, 105.612, 307.616



4, 44.639, 306.373

Previews

White Background



This preview shows how the CIELCh color 95, 74.887, 116.040 looks on a white background.

Color Contrast Check

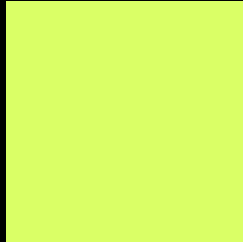
Large Text (above 18pt) WCAG AA × Fail

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, 74.887, 116.040 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, 74.887, 116.040

Background



This preview shows how black text looks on a background with the CIELCh color 95, 74.887, 116.040.

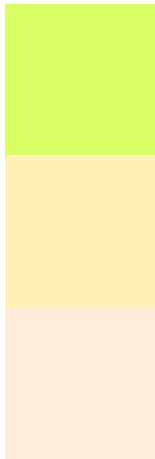


This preview shows how white text looks on a background with the CIELCh color 95, 74.887, 116.040.

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, 74.887, 116.040

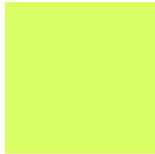
Protanopia
95, 31.112, 96.932

Deuteranopia
95, 12.221, 76.300

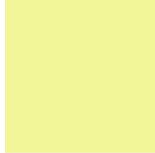


Tritanopia
95, 8.249, 286.057

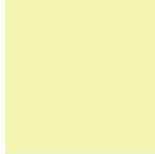
Trichromacy



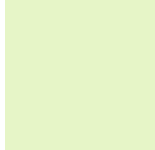
Original Color
95, 74.887, 116.040



Protanomaly
95, 46.702, 107.959



Deuteranomaly
95, 34.966, 108.694

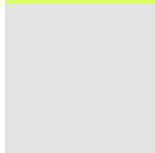


Tritanomaly
94, 24.131, 121.732

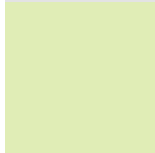
Monochromacy



Original Color
95, 74.887, 116.040



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 28.586, 117.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 74.887, 116.040 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(218, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 102)  
}
```

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(218, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 74.887, 116.040 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(218, 255, 102) }
```

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

```
.border{ border-color:rgb(218, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(218, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 74.887, 116.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 102) }
```

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

```
.background{ background-color: rgb(218,  
255, 102) }
```

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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