

Converting Colors

CIELCh(92, 81.837, 129.621)

Have a look what the booklet for
CIELCh(92, 81.837, 129.621)
contains.

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Color

CIELCh(92, 81.807, 129.581)

Conversions

Conversions Part 1

Format	Color
Hex	A4FF66
RGB	164, 255, 102
RGB Percent	64%, 100%, 40%
CMY	0.3552, 0.0000, 0.5984
CMYK	0.36, 0.00, 0.60, 0.00
HSL	96°, 100%, 70%
HSV	96°, 60%, 100%
XYZ	53.7175, 80.7044, 25.4237
YIQ	210.3490, -5.1230, -66.8750

Conversions

Conversions Part 2

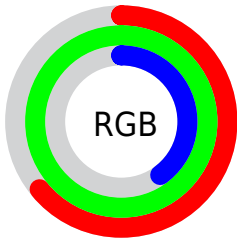
Format	Color
RYB	102, 255, 193
Decimal	10813286
CIELab	92.00, -52.12, 63.05
CIElCh	92, 81.807, 129.581
Yxy	80.7044, 0.3361, 0.5049
Android (android.graphics.Color)	4289003366 (0xFFA4FF66)
YUV	210.3490, -53.4161, -40.6481
Hunter-Lab	89.8356, -50.4777, 46.1057

Details

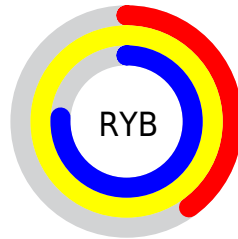
The CIELCh color **92, 81.807, 129.581** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **60, 87.247, 314.873**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 50.019, 120.795**, and **72, 82.050, 129.523** is the 20% darker color. If you saturate the color by 10%, you get **91, 92.687, 129.362**, and if you desaturate by 10%, it is **93, 69.138, 129.923**.

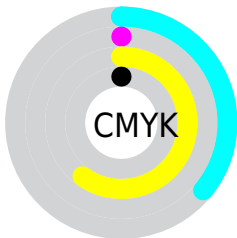
Distribution



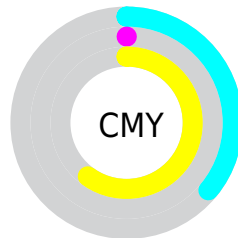
- Red (64%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 81.807, 129.581 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 92, 81.807, 129.581 by changing the saturation by 10% instead.


 92, 81.807,
129.581


 92, 81.807,
129.581


 100, 81.807,
129.581


 82, 81.807,
129.581

 72, 81.807,
129.581

 62, 81.807,
129.581

 52, 81.807,
129.581

 42, 81.807,
129.581

 32, 81.807,
129.581

 22, 81.807,

129.581

■ 12, 81.807,
129.581

■ 2, 81.807, 129.581

■ 92, 81.807,
129.581

■ 92, 81.807,
129.581

■ 91, 92.687,
129.362

■ 93, 69.138,
129.923

■ 90, 101.842,
129.495

■ 94, 55.838,
130.393

■ 90, 108.481,
130.073

■ 95, 42.036,
130.893

■ 89, 112.583,
131.085

■ 97, 27.982,
131.388

■ 89, 112.641,
131.101

■ 98, 13.850,
131.860

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.



92, 81.807, 129.581



60, 87.247, 314.873

Rectangle

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



92, 81.807, 129.581



92, 81.807, 179.581



92, 81.807, 309.581



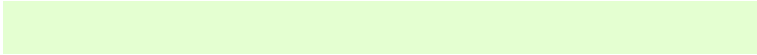
92, 81.807, 359.581

Sweetspot

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



92, 81.584, 129.547



97, 25.388, 131.477



82, 54.704, 75.637



51, 17.644, 131.336



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 81.584, 129.547



91, 94.855, 129.359



90, 86.661, 141.247



52, 8.003, 131.875



69, 90.460, 130.838



23, 40.175, 129.432

Inverse Universe

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



60, 87.247, 314.873



54, 102.547, 315.106



67, 85.354, 330.161



49, 8.093, 312.658



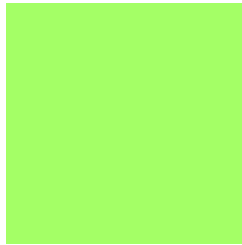
33, 98.535, 314.206



7, 44.689, 315.486

Previews

White Background



This preview shows how the CIELCh color 92, 81.807, 129.581 looks on a white background.

Color Contrast Check

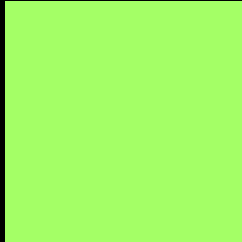
Large Text (above 18pt) WCAG AA × Fail

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 92, 81.807, 129.581 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

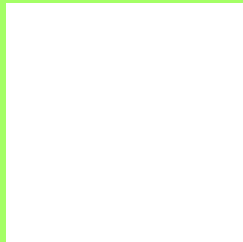
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 81.807, 129.581

Background



This preview shows how black text looks on a background with the CIELCh color 92, 81.807, 129.581.



This preview shows how white text looks on a background with the CIELCh color 92, 81.807, 129.581.

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
92, 81.807, 129.581

Protanopia
91, 61.097, 95.771

Deuteranopia
91, 21.314, 77.054



Tritanopia
92, 16.564, 230.911

Trichromacy



Original Color
92, 81.807, 129.581



Protanomaly
91, 65.625, 111.395

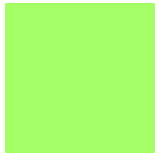


Deuteranomaly
91, 40.073, 115.400

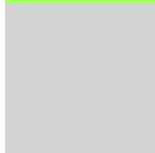


Tritanomaly
91, 31.584, 151.503

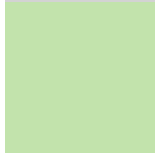
Monochromacy



Original Color
92, 81.807, 129.581



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 31.153, 131.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 81.807, 129.581 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(164, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 81.807, 129.581 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(164, 255, 102) }
```

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

```
.border{ border-color:rgb(164, 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(164, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 81.807, 129.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 102) }
```

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

```
.background{ background-color: rgb(164,  
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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