

Converting Colors

CIELCh(90, 63.467, 123.790)

Have a look what the booklet for
CIELCh(90, 63.467, 123.790)
contains.

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Color

CIElCh(90, 63.308, 123.530)

Conversions

Conversions Part 1

Format	Color
Hex	C0F279
RGB	192, 242, 121
RGB Percent	75%, 95%, 47%
CMY	0.2460, 0.0498, 0.5244
CMYK	0.21, 0.00, 0.50, 0.05
HSL	85°, 83%, 71%
HSV	85°, 50%, 95%
XYZ	57.1137, 76.3034, 29.8918
YIQ	213.2560, 9.0410, -48.2310

Conversions

Conversions Part 2

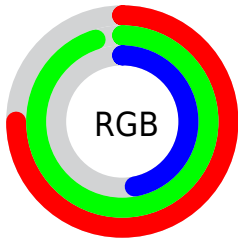
Format	Color
RYB	121, 242, 171
Decimal	12644985
CIELab	90.00, -34.97, 52.77
CIElCh	90, 63.308, 123.530
Yxy	76.3034, 0.3497, 0.4672
Android (android.graphics.Color)	4290835065 (0xFFC0F279)
YUV	213.2560, -45.4822, -18.6415
Hunter-Lab	87.3518, -36.1561, 40.8572

Details

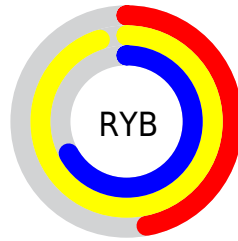
The CIELCh color **90, 63.308, 123.530** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61, 69.372, 308.985**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.663, 109.949**, and **70, 63.469, 123.566** is the 20% darker color. If you saturate the color by 10%, you get **89, 74.583, 123.210**, and if you desaturate by 10%, it is **91, 51.231, 123.974**.

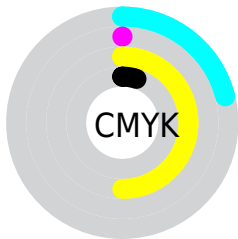
Distribution



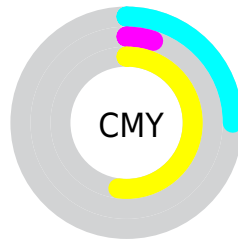
- Red (75%)
- Green (95%)
- Blue (47%)



- Red (47%)
- Yellow (95%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (50%)
- Black (5%)





- Cyan (25%)
- Magenta (5%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 63.308, 123.530 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, 63.308, 123.530 by changing the saturation by 10% instead.


 90, 63.308,
123.530


 90, 63.308,
123.530


 100, 63.308,
123.530


 80, 63.308,
123.530

 70, 63.308,
123.530

 60, 63.308,
123.530

 50, 63.308,
123.530

 40, 63.308,
123.530

 30, 63.308,
123.530

 20, 63.308,

123.530

■ 10, 63.308,
123.530

■ 0, 63.308, 123.530

■ 90, 63.308,
123.530

■ 90, 63.308,
123.530

■ 89, 74.583,
123.210

■ 91, 51.231,
123.974

■ 88, 84.601,
123.103

■ 92, 38.668,
124.474

■ 88, 92.800,
123.330

■ 93, 25.838,
124.992

■ 87, 98.656,
124.013

■ 94, 12.889,
125.504

■ 87, 102.210,
125.151

■ 96, 0.077, 304.645

■ 87, 102.226,
125.157

■ 97, 7.435, 318.746

■ 97, 7.920, 324.678

Harmonies

Complementary

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



90, 63.308, 123.530



61, 69.372, 308.985

Rectangle

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



90, 63.308, 123.530



90, 63.308, 173.530



90, 63.308, 303.530



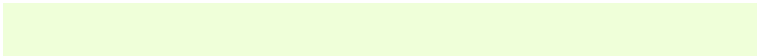
90, 63.308, 353.530

Sweetspot

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



90, 63.309, 123.531



98, 20.259, 125.245



75, 41.474, 59.015



52, 13.820, 125.136



0, 0.000, 0.000



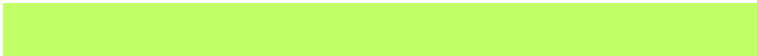
53, 0.007, 296.813

Same Dimension

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



90, 63.309, 123.531



93, 77.767, 123.205



87, 72.809, 138.246



51, 7.424, 125.528



68, 83.692, 124.887



22, 35.576, 123.599

Inverse Universe

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



61, 69.372, 308.985



57, 87.161, 309.642



67, 73.191, 324.019



47, 7.545, 306.447



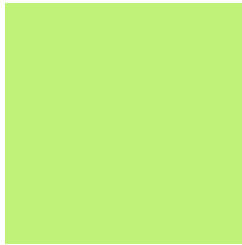
27, 100.335, 310.101



5, 41.237, 309.832

Previews

White Background



This preview shows how the CIELCh color 90, 63.308, 123.530 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, 63.308, 123.530 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, 63.308, 123.530

Background



This preview shows how black text looks on a background with the CIELCh color 90, 63.308, 123.530.

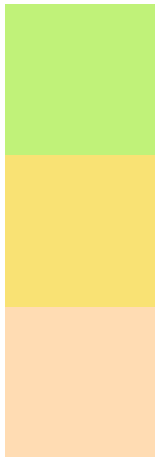


This preview shows how white text looks on a background with the CIELCh color 90, 63.308, 123.530.

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
90, 63.308, 123.530

Protanopia
90, 56.218, 95.720

Deuteranopia
90, 25.434, 75.694

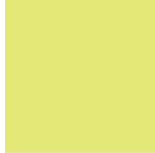


Tritanopia
90, 11.631, 257.583

Trichromacy



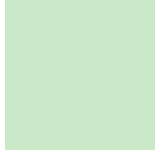
Original Color
90, 63.308, 123.530



Protanomaly
90, 56.970, 107.146



Deuteranomaly
89, 35.892, 104.667

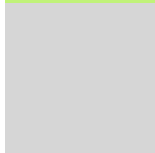


Tritanomaly
89, 19.943, 141.996

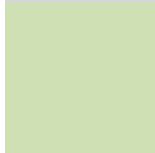
Monochromacy



Original Color
90, 63.308, 123.530



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 23.852, 124.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 63.308, 123.530 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(192, 242, 121)` looks like.

```
.text, #text, p{  
    color:rgb(192, 242, 121)  
}
```

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(192, 242, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 242, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 63.308, 123.530 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(192, 242, 121) }
```

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

```
.border{ border-color:rgb(192, 242, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 242, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 242, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 242, 121);  
box-shadow:4px 4px 4px 4px rgb(192, 242,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 63.308, 123.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 242, 121) }
```

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

```
.background{ background-color: rgb(192,  
242, 121) }
```

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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