

Converting Colors

CIELCh(90, 60.782, 126.863)

Have a look what the booklet for
CIELCh(90, 60.782, 126.863)
contains.

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Color

CIELCh(90, 60.620, 126.730)

Conversions

Conversions Part 1

Format	Color
Hex	BBF382
RGB	187, 243, 130
RGB Percent	73%, 95%, 51%
CMY	0.2665, 0.0469, 0.4901
CMYK	0.23, 0.00, 0.46, 0.05
HSL	90°, 83%, 73%
HSV	90°, 46%, 95%
XYZ	56.5939, 76.3034, 32.8757
YIQ	213.3740, 2.8970, -47.0150

Conversions

Conversions Part 2

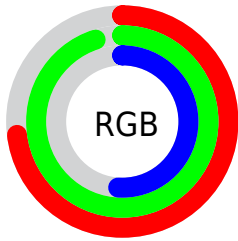
Format	Color
RYB	130, 243, 186
Decimal	12317570
CIELab	90.00, -36.25, 48.58
CIELCh	90, 60.620, 126.730
Yxy	76.3034, 0.3414, 0.4603
Android (android.graphics.Color)	4290507650 (0xFFBBF382)
YUV	213.3740, -41.1034, -23.1300
Hunter-Lab	87.3518, -37.2182, 38.8319

Details

The CIELCh color **90, 60.620, 126.730** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64, 64.995, 311.307**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 35.419, 113.681**, and **70, 61.117, 126.797** is the 20% darker color. If you saturate the color by 10%, you get **89, 72.551, 126.361**, and if you desaturate by 10%, it is **91, 48.014, 127.188**.

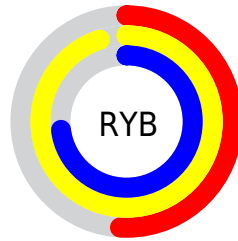
Distribution



Red (73%)

Green (95%)

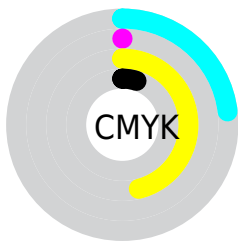
Blue (51%)



Red (51%)

Yellow (95%)

Blue (73%)

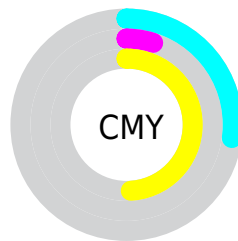


Cyan (23%)

Magenta (0%)

Yellow (46%)

Black (5%)



Cyan (27%)


Magenta (5%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 60.620, 126.730 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, 60.620, 126.730 by changing the saturation by 10% instead.


 90, 60.620,
126.730


 90, 60.620,
126.730


 100, 60.620,
126.730


 80, 60.620,
126.730

 70, 60.620,
126.730

 60, 60.620,
126.730


 50, 60.620,
126.730

 40, 60.620,
126.730


 30, 60.620,
126.730


 20, 60.620,


126.730


 10, 60.620,
126.730


 0, 60.620, 126.730


 90, 60.620,
126.730


 90, 60.620,
126.730


 89, 72.551,
126.361


 91, 48.014,
127.188

 88, 83.395,
126.162

 92, 35.017,
127.678

 87, 92.616,
126.251

 94, 21.826,
128.168

 87, 99.642,
126.758

 95, 8.579, 128.644

 96, 4.630, 309.034

■ 86, 104.140,
127.769

■ 97, 7.451, 324.659

■ 86, 105.333,
128.180

Harmonies

Complementary

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



90, 60.620, 126.730



64, 64.995, 311.307

Rectangle

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



90, 60.620, 126.730



90, 60.620, 176.730



90, 60.620, 306.730



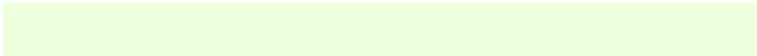
90, 60.620, 356.730

Sweetspot

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



90, 60.622, 126.731



98, 19.256, 128.286



79, 38.674, 67.877



52, 13.296, 128.182



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, 60.622, 126.731



93, 74.819, 126.372



87, 69.973, 140.355



51, 7.557, 128.502



68, 86.001, 127.907



21, 36.447, 126.651

Inverse Universe

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



64, 64.995, 311.307



61, 81.539, 311.803



70, 69.784, 326.402



47, 7.662, 309.334



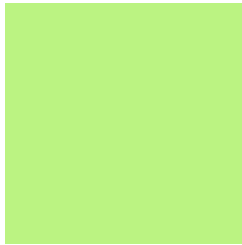
29, 98.603, 311.792



5, 41.478, 312.287

Previews

White Background



This preview shows how the CIELCh color 90, 60.620, 126.730 looks on a white background.

Color Contrast Check

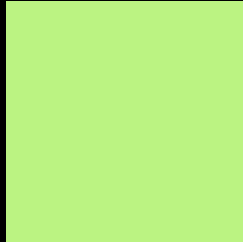
Large Text (above 18pt) WCAG AA × Fail

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, 60.620, 126.730 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, 60.620, 126.730

Background



This preview shows how black text looks on a background with the CIELCh color 90, 60.620, 126.730.

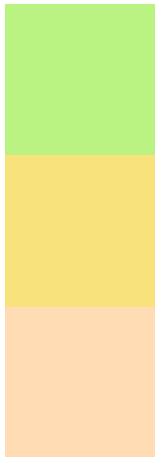


This preview shows how white text looks on a background with the CIELCh color 90, 60.620, 126.730.

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](#).

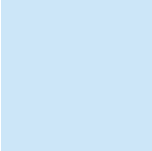
Dichromacy



Original Color
90, 60.620, 126.730

Protanopia
90, 52.440, 95.849

Deuteranopia
90, 24.989, 75.133

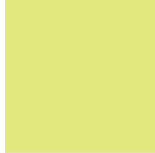


Tritanopia
90, 12.586, 247.244

Trichromacy



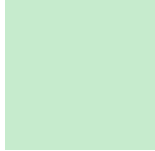
Original Color
90, 60.620, 126.730



Protanomaly
90, 53.303, 108.427



Deuteranomaly
89, 33.859, 106.035

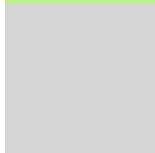


Tritanomaly
90, 20.591, 149.096

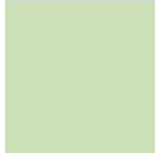
Monochromacy



Original Color
90, 60.620, 126.730



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 22.625, 127.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 60.620, 126.730 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(187, 243, 130)` looks like.

```
.text, #text, p{  
    color:rgb(187, 243, 130)  
}
```

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(187, 243, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 243, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 60.620, 126.730 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(187, 243, 130) }
```

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

```
.border{ border-color:rgb(187, 243, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 243, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 243, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 243, 130);  
box-shadow:4px 4px 4px 4px rgb(187, 243,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 60.620, 126.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 243, 130) }
```

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

```
.background{ background-color: rgb(187,  
243, 130) }
```

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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