

Converting Colors

CIELCh(90, 16.682, 229.641)

Have a look what the booklet for
CIELCh(90, 16.682, 229.641)
contains.

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Color

CIELCh(90, 16.632, 228.748)

Conversions

Conversions Part 1

Format	Color
Hex	BDEAFA
RGB	189, 234, 250
RGB Percent	74%, 92%, 98%
CMY	0.2601, 0.0837, 0.0210
CMYK	0.24, 0.06, 0.00, 0.02
HSL	196°, 85%, 86%
HSV	196°, 24%, 98%
XYZ	67.4261, 76.3034, 101.3279
YIQ	222.3690, -31.9560, -4.5640

Conversions

Conversions Part 2

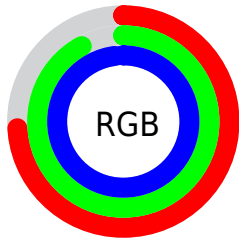
Format	Color
R _{YB}	189, 215, 250
Decimal	12446458
CIE Lab	90.00, -10.97, -12.50
CIE LCh	90, 16.632, 228.748
Yxy	76.3034, 0.2751, 0.3114
Android (android.graphics.Color)	4290636538 (0xFFBDEAFA)
YUV	222.3690, 13.6221, -29.2646
Hunter-Lab	87.3518, -15.0830, -7.6300

Details

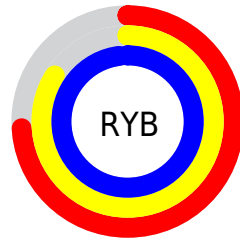
The CIELCh color **90, 16.632, 228.748** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 19.422, 45.828**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 199.421**, and **70, 16.822, 230.012** is the 20% darker color. If you saturate the color by 10%, you get **87, 22.674, 229.891**, and if you desaturate by 10%, it is **93, 10.100, 227.879**.

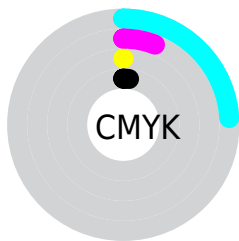
Distribution



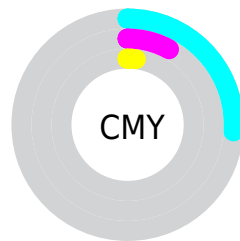
- Red (74%)
- Green (92%)
- Blue (98%)



- Red (74%)
- Yellow (84%)
- Blue (98%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)





- Cyan (26%)
- Magenta (8%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.632, 228.748 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, 16.632, 228.748 by changing the saturation by 10% instead.


 90, 16.632,
228.748


 90, 16.632,
228.748


 100, 16.632,
228.748


 80, 16.632,
228.748

 70, 16.632,
228.748

 60, 16.632,
228.748

 50, 16.632,
228.748

 40, 16.632,
228.748

 30, 16.632,
228.748

 20, 16.632,

228.748

■ 10, 16.632,
228.748

■ 0, 16.632, 228.748

■ 90, 16.632,
228.748

■ 90, 16.632,
228.748

■ 87, 22.674,
229.891

■ 93, 10.100,
227.879

■ 84, 28.129,
231.388

■ 97, 3.175, 227.339

■ 81, 32.909,
233.314

■ 99, 1.929, 91.906

■ 78, 36.952,
235.764

■ 100, 2.702,
109.948

■ 76, 40.243,
238.832

■ 74, 42.843,
242.592

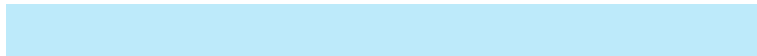
■ 71, 44.908,
247.055

■ 70, 45.957,
249.741

Harmonies

Complementary

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



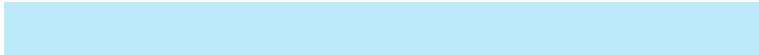
90, 16.632, 228.748



86, 19.422, 45.828

Rectangle

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



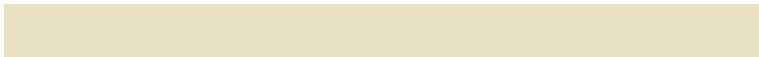
90, 16.632, 228.748



90, 16.632, 278.748



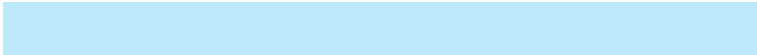
90, 16.632, 48.748



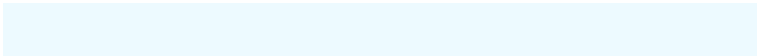
90, 16.632, 98.748

Sweetspot

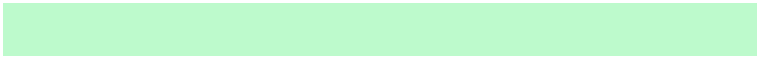
The Sweet Spot groups the original color and five complimentary colors.



90, 16.632, 228.742



98, 5.074, 227.424



93, 32.127, 150.489



52, 3.292, 227.453



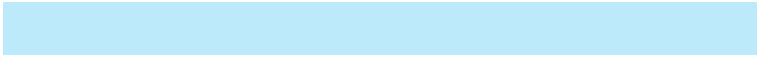
0, 0.000, 0.000



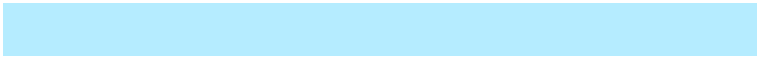
53, 0.007, 296.813

Same Dimension

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



90, 16.632, 228.742



90, 19.795, 229.232



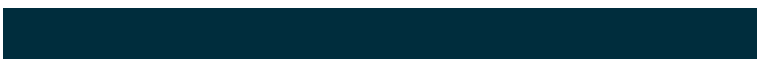
82, 24.585, 280.693



50, 4.030, 227.554



54, 37.029, 248.831



17, 16.175, 241.944

Inverse Universe

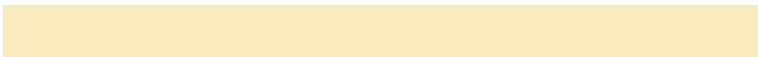
The Inverse Universe completely reimagines the original color for something new.



83, 32.064, 334.476



82, 38.713, 334.821



93, 24.176, 94.246



49, 7.417, 333.402



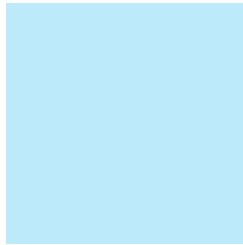
42, 75.454, 342.218



10, 34.942, 340.010

Previews

White Background



This preview shows how the CIE LCh color 90, 16.632, 228.748 looks on a white background.

Color Contrast Check

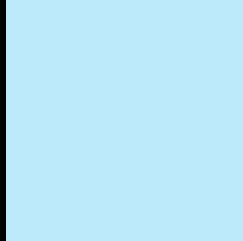
Large Text (above 18pt) WCAG AA × Fail

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, 16.632, 228.748 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, 16.632, 228.748

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.632, 228.748.

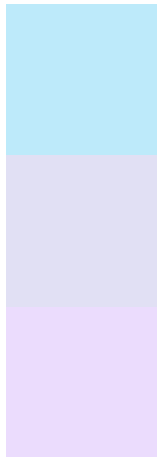


This preview shows how white text looks on a background with the CIELCh color 90, 16.632, 228.748.

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, 16.632, 228.748

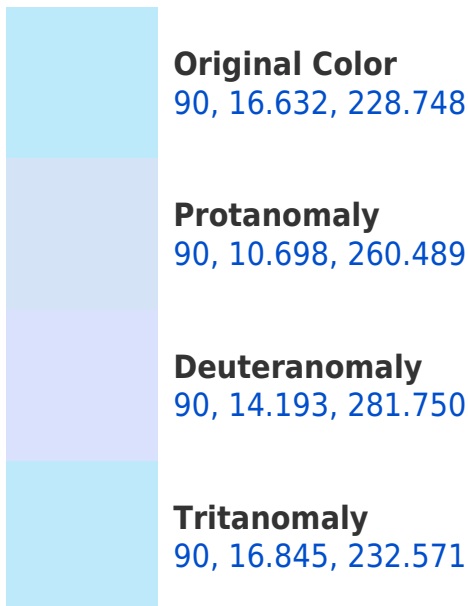
Protanopia
90, 10.422, 292.921

Deuteranopia
90, 18.014, 308.090



Tritanopia
90, 17.097, 234.136

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.632, 228.748 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(189, 234, 250)` looks like.

```
.text, #text, p{  
    color:rgb(189, 234, 250)  
}
```

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(189, 234, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 234, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.632, 228.748 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(189, 234, 250) }
```

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

```
.border{ border-color:rgb(189, 234, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 234, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 234, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 234, 250);  
box-shadow:4px 4px 4px 4px rgb(189, 234,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.632, 228.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 234, 250) }
```

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

```
.background{ background-color: rgb(189,  
234, 250) }
```

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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