

Converting Colors

CIELCh(90, 21.017, 229.612)

Have a look what the booklet for
CIELCh(90, 21.017, 229.612)
contains.

CIELCh(90, 20.783, 228.611)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 20.783, 228.611)

Conversions

Conversions Part 1

Format	Color
Hex	B1EBFF
RGB	177, 235, 255
RGB Percent	69%, 92%, 100%
CMY	0.3042, 0.0768, 0.0000
CMYK	0.30, 0.08, 0.00, 0.00
HSL	195°, 100%, 85%
HSV	195°, 30%, 100%
XYZ	66.1754, 76.3034, 106.2116
YIQ	219.9380, -40.9880, -6.0760

Conversions

Conversions Part 2

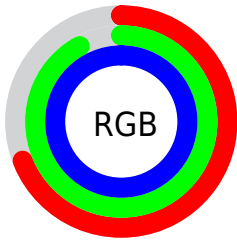
Format	Color
RYB	177, 210, 255
Decimal	11660287
CIELab	90.00, -13.74, -15.59
CIELCh	90, 20.783, 228.611
Yxy	76.3034, 0.2661, 0.3068
Android (android.graphics.Color)	4289850367 (0xFFB1EBFF)
YUV	219.9380, 17.2856, -37.6566
Hunter-Lab	87.3518, -17.6387, -10.9449

Details

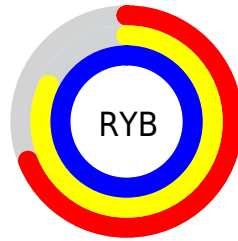
The CIELCh color **90, 20.783, 228.611** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 25.326, 44.608**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 7.186, 199.043**, and **70, 20.694, 228.610** is the 20% darker color. If you saturate the color by 10%, you get **87, 26.477, 229.304**, and if you desaturate by 10%, it is **93, 14.340, 227.052**.

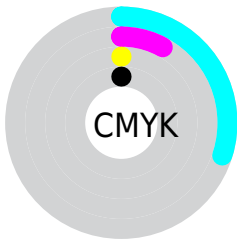
Distribution



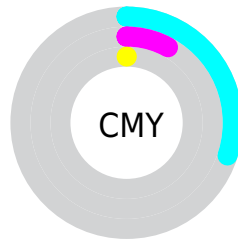
- Red (69%)
- Green (92%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 20.783, 228.611 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, 20.783, 228.611 by changing the saturation by 10% instead.


 90, 20.783,
228.611


 90, 20.783,
228.611


 100, 20.783,
228.611


 80, 20.783,
228.611

 70, 20.783,
228.611

 60, 20.783,
228.611

 50, 20.783,
228.611

 40, 20.783,
228.611

 30, 20.783,
228.611

 20, 20.783,

228.611

■ 10, 20.783,
228.611

■ 0, 20.783, 228.611

■ 90, 20.783,
228.611

■ 90, 20.783,
228.611

■ 87, 26.477,
229.304

■ 93, 14.340,
227.052

■ 84, 31.588,
230.971

■ 96, 7.515, 226.349

■ 81, 35.946,
233.114

100, 0.316,
227.710

■ 79, 39.512,
235.827

100, 0.012,
296.813

■ 77, 42.310,
239.199

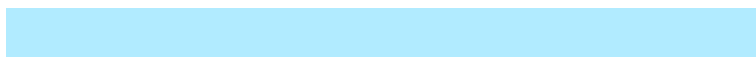
■ 74, 44.454,
243.279

■ 72, 46.135,
247.743

Harmonies

Complementary

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



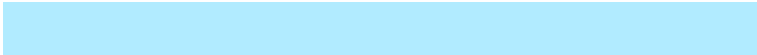
90, 20.783, 228.611



84, 25.326, 44.608

Rectangle

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



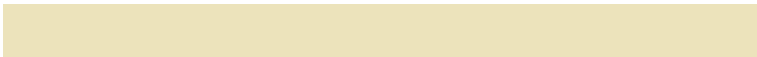
90, 20.783, 228.611



90, 20.783, 278.611



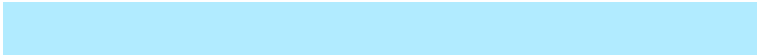
90, 20.783, 48.611



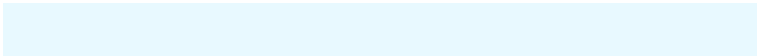
90, 20.783, 98.611

Sweetspot

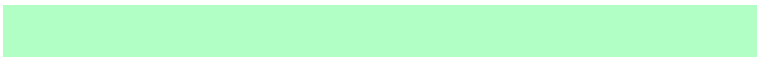
The Sweet Spot groups the original color and five complimentary colors.



90, 20.695, 228.022



97, 6.511, 226.272



94, 40.652, 149.917



51, 4.509, 226.350



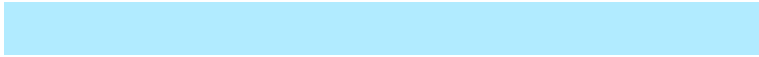
0, 0.000, 0.000



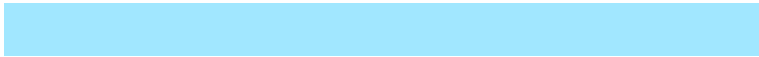
53, 0.007, 296.813

Same Dimension

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



90, 20.695, 228.022



88, 24.568, 228.825



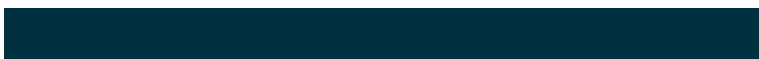
80, 31.395, 281.767



51, 4.108, 226.298



56, 36.970, 246.841



18, 16.516, 240.435

Inverse Universe

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



81, 40.877, 334.526



78, 49.520, 335.029



94, 30.713, 93.479



50, 7.595, 333.020



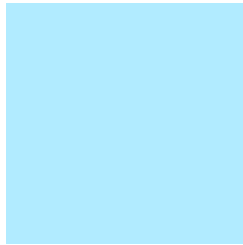
43, 76.727, 341.553



11, 36.069, 339.557

Previews

White Background



This preview shows how the CIE LCh color 90, 20.783, 228.611 looks on a white background.

Color Contrast Check

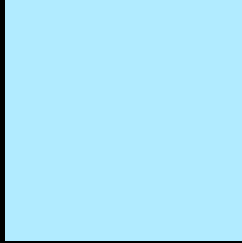
Large Text (above 18pt) WCAG AA × Fail

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, 20.783, 228.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

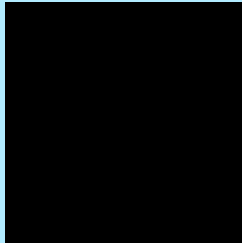
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 20.783, 228.611

Background



This preview shows how black text looks on a background with the CIELCh color 90, 20.783, 228.611.



This preview shows how white text looks on a background with the CIELCh color 90, 20.783, 228.611.

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, 20.783, 228.611

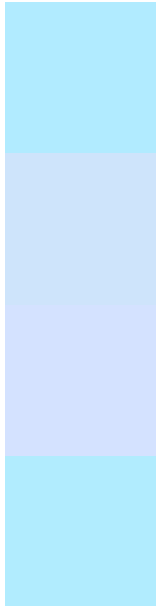
Protanopia
90, 12.491, 289.626

Deuteranopia
90, 18.090, 302.409



Tritanopia
90, 20.642, 225.469

Trichromacy



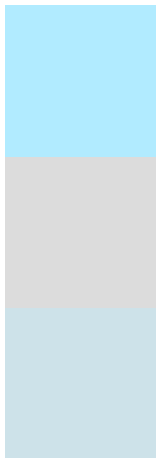
Original Color
90, 20.783, 228.611

Protanomaly
90, 13.849, 259.200

Deuteranomaly
90, 15.673, 274.110

Tritanomaly
90, 20.642, 225.469

Monochromacy



Original Color
90, 20.783, 228.611

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 8.027, 226.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 20.783, 228.611 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(177, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 235, 255)  
}
```

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(177, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 235, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 20.783, 228.611 is called "border". The border property can be set on classes, ids or directly on the HTML element.

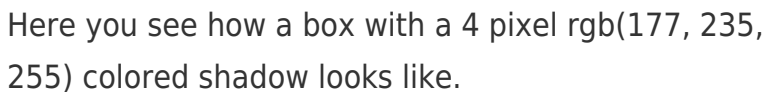
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 235, 255) }
```

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

```
.border{ border-color:rgb(177, 235, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 235,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 20.783, 228.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 235, 255) }
```

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

```
.background{ background-color: rgb(177,  
235, 255) }
```

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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