

Converting Colors

CIELCh(90, 21.784, 205.341)

Have a look what the booklet for
CIELCh(90, 21.784, 205.341)
contains.

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Color

CIELCh(90, 21.666, 204.987)

Conversions

Conversions Part 1

Format	Color
Hex	ABEEF3
RGB	171, 238, 243
RGB Percent	67%, 93%, 95%
CMY	0.3293, 0.0665, 0.0469
CMYK	0.30, 0.02, 0.00, 0.05
HSL	184°, 75%, 81%
HSV	184°, 30%, 95%
XYZ	63.5686, 76.3034, 96.1982
YIQ	218.5370, -41.5370, -12.6490

Conversions

Conversions Part 2

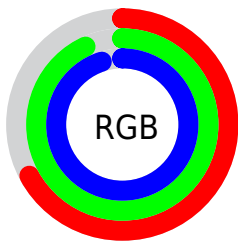
Format	Color
R _Y B	171, 206, 243
Decimal	11267827
CIE Lab	90.00, -19.64, -9.15
CIE LCh	90, 21.666, 204.987
Yxy	76.3034, 0.2693, 0.3232
Android (android.graphics.Color)	4289457907 (0xFFABEEF3)
YUV	218.5370, 12.0603, -41.6899
Hunter-Lab	87.3518, -22.9656, -4.1483

Details

The CIELCh color **90, 21.666, 204.987** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78, 26.752, 27.251**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.184, 198.897**, and **70, 21.687, 205.062** is the 20% darker color. If you saturate the color by 10%, you get **88, 27.733, 204.949**, and if you desaturate by 10%, it is **92, 14.884, 205.134**.

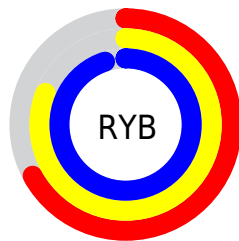
Distribution



Red (67%)

Green (93%)

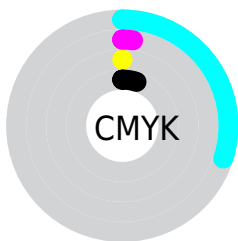
Blue (95%)



Red (67%)

Yellow (81%)

Blue (95%)

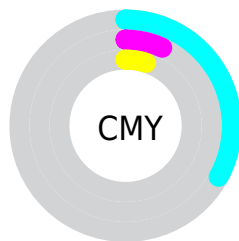


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (7%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 21.666, 204.987 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, 21.666, 204.987 by changing the saturation by 10% instead.

■ 90, 21.666,
204.987

■ 90, 21.666,
204.987

■ 100, 21.666,
204.987

■ 80, 21.666,
204.987

■ 70, 21.666,
204.987

■ 60, 21.666,
204.987

■ 50, 21.666,
204.987

■ 40, 21.666,
204.987

■ 30, 21.666,
204.987

■ 20, 21.666,

204.987

■ 10, 21.666,
204.987

■ 0, 21.666, 204.987

■ 90, 21.666,
204.987

■ 90, 21.666,
204.987

■ 88, 27.733,
204.949

■ 92, 14.884,
205.134

■ 87, 32.957,
205.052

■ 94, 7.520, 205.404

■ 86, 37.225,
205.315

■ 96, 0.300, 23.471

■ 97, 3.730, 33.284

■ 85, 40.463,
205.763

■ 98, 3.484, 49.516

■ 84, 42.647,
206.420

■ 98, 3.543, 66.611

■ 83, 43.824,
207.308

■ 98, 3.895, 81.830

■ 82, 44.183,
208.419

■ 99, 4.469, 93.822

■ 82, 44.191,
208.462

■ 99, 5.191, 102.770

Harmonies

Complementary

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



90, 21.666, 204.987



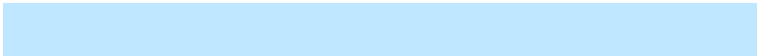
78, 26.752, 27.251

Rectangle

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



90, 21.666, 204.987



90, 21.666, 254.987



90, 21.666, 24.987



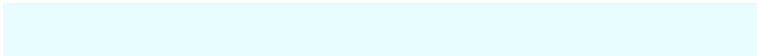
90, 21.666, 74.987

Sweetspot

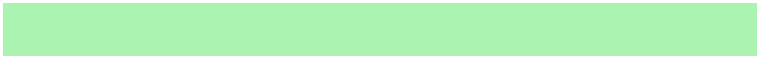
The Sweet Spot groups the original color and five complimentary colors.



90, 21.666, 204.983



98, 7.323, 205.425



90, 43.484, 144.157



52, 5.069, 205.374



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, 21.666, 204.983



93, 26.632, 204.947



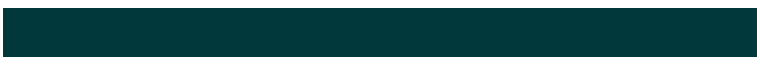
80, 23.537, 267.037



50, 4.468, 205.408



65, 36.221, 208.244



20, 16.264, 206.540

Inverse Universe

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



79, 43.420, 328.057



79, 54.619, 328.424



87, 24.722, 78.387



48, 8.353, 326.882



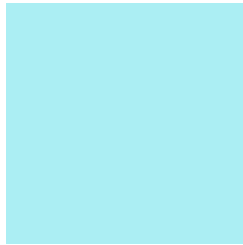
43, 86.392, 331.203



10, 38.689, 330.784

Previews

White Background



This preview shows how the CIE LCh color 90, 21.666, 204.987 looks on a white background.

Color Contrast Check

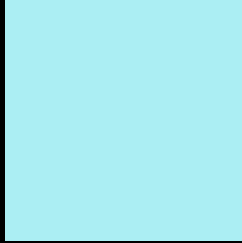
Large Text (above 18pt) WCAG AA × Fail

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, 21.666, 204.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

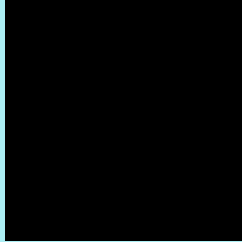
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 21.666, 204.987

Background



This preview shows how black text looks on a background with the CIELCh color 90, 21.666, 204.987.

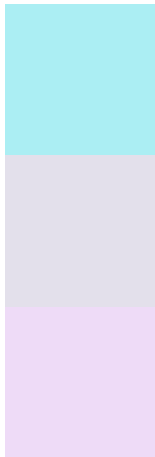


This preview shows how white text looks on a background with the CIELCh color 90, 21.666, 204.987.

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, 21.666, 204.987

Protanopia

90, 5.841, 301.049

Deuteranopia

90, 16.084, 315.516

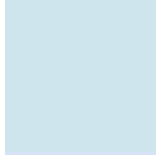


Tritanopia
90, 21.580, 225.726

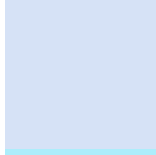
Trichromacy



Original Color
90, 21.666, 204.987



Protanomaly
90, 8.766, 231.400



Deuteranomaly
90, 11.087, 269.469

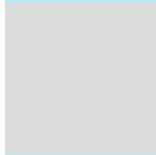


Tritanomaly
90, 21.353, 218.263

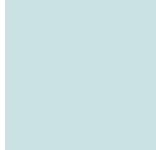
Monochromacy



Original Color
90, 21.666, 204.987



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 8.362, 206.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 21.666, 204.987 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(171, 238, 243)` looks like.

```
.text, #text, p{  
    color:rgb(171, 238, 243)  
}
```

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(171, 238, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 238, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 21.666, 204.987 is called "border". The border property can be set on classes, ids or directly on the HTML element.

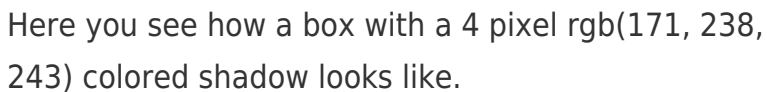
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 238, 243) }
```

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

```
.border{ border-color:rgb(171, 238, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 238, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 238, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 238, 243); box-shadow:4px 4px 4px 4px rgb(171, 238, 243) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 21.666, 204.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 238, 243) }
```

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

```
.background{ background-color: rgb(171,  
238, 243) }
```

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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