

Converting Colors

CIELCh(91, 16.668, 237.273)

Have a look what the booklet for
CIELCh(91, 16.668, 237.273)
contains.

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Color

CIELCh(91, 16.580, 235.342)

Conversions

Conversions Part 1

Format	Color
Hex	C2ECFF
RGB	194, 236, 255
RGB Percent	76%, 93%, 100%
CMY	0.2402, 0.0755, 0.0010
CMYK	0.24, 0.07, 0.00, 0.00
HSL	199°, 99%, 88%
HSV	199°, 24%, 100%
XYZ	70.1139, 78.4833, 105.8426
YIQ	225.6080, -31.1310, -2.9950

Conversions

Conversions Part 2

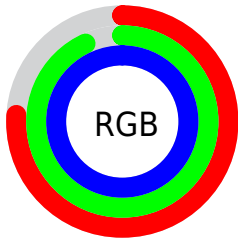
Format	Color
RYB	194, 219, 255
Decimal	12774655
CIELab	91.00, -9.43, -13.64
CIELCh	91, 16.580, 235.342
Yxy	78.4833, 0.2756, 0.3085
Android (android.graphics.Color)	4290964735 (0xFFC2ECFF)
YUV	225.6080, 14.4903, -27.7202
Hunter-Lab	88.5908, -13.7626, -8.8223

Details

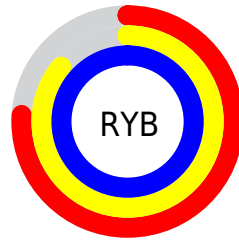
The CIELCh color `91, 16.580, 235.342` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `88, 19.044, 51.346`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 1.389, 199.794`, and `71, 16.553, 235.192` is the 20% darker color. If you saturate the color by 10%, you get `87, 22.842, 236.762`, and if you desaturate by 10%, it is `95, 9.890, 234.226`.

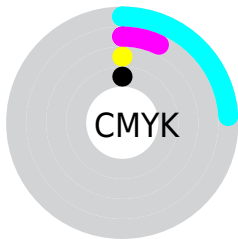
Distribution



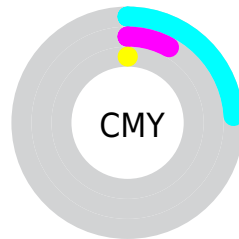
- Red (76%)
- Green (93%)
- Blue (100%)



- Red (76%)
- Yellow (86%)
- Blue (100%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 16.580, 235.342 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 91, 16.580, 235.342 by changing the saturation by 10% instead.

■ 91, 16.580,
235.342

■ 91, 16.580,
235.342

■ 100, 16.580,
235.342

■ 81, 16.580,
235.342

■ 71, 16.580,
235.342

■ 61, 16.580,
235.342

■ 51, 16.580,
235.342

■ 41, 16.580,
235.342

■ 31, 16.580,
235.342

■ 21, 16.580,

235.342

■ 11, 16.580,
235.342

■ 1, 16.580, 235.342

■ 91, 16.580,
235.342

■ 91, 16.580,
235.342

■ 87, 22.842,
236.762

■ 95, 9.890, 234.226

■ 98, 2.856, 233.479

■ 84, 28.594,
238.572

100, 0.119,
109.520

■ 81, 33.762,
240.849

■ 78, 38.301,
243.689

■ 75, 42.217,
247.176

■ 72, 45.590,
251.359

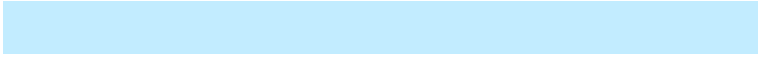
■ 69, 48.590,
256.203

■ 68, 50.364,
259.322

Harmonies

Complementary

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



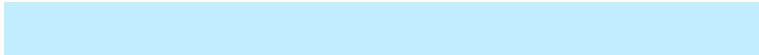
91, 16.580, 235.342



88, 19.044, 51.346

Rectangle

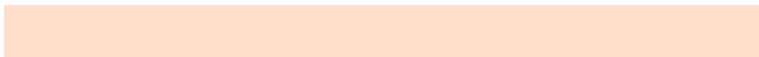
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



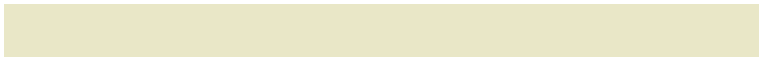
91, 16.580, 235.342



91, 16.580, 285.342



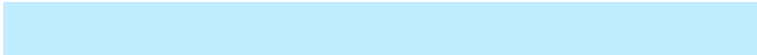
91, 16.580, 55.342



91, 16.580, 105.342

Sweetspot

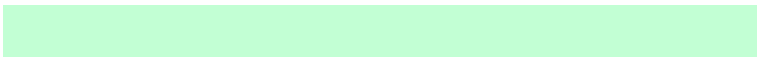
The Sweet Spot groups the original color and five complimentary colors.



91, 16.580, 235.336



97, 5.042, 233.640



95, 30.825, 152.414



52, 3.272, 233.683



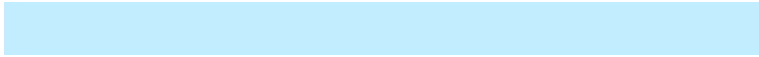
0, 0.000, 0.000



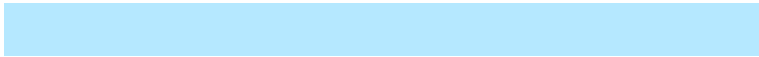
53, 0.007, 296.813

Same Dimension

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



91, 16.580, 235.336



89, 19.822, 236.015



83, 25.975, 283.666



51, 4.074, 233.830



52, 40.228, 258.351



16, 17.478, 251.237

Inverse Universe

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



85, 30.871, 336.486



82, 37.429, 336.895



96, 25.280, 97.596



50, 7.281, 335.380



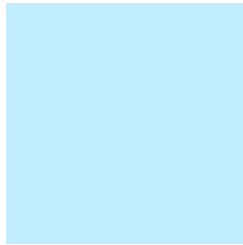
42, 73.785, 345.791



11, 34.777, 343.055

Previews

White Background



This preview shows how the CIE LCh color 91, 16.580, 235.342 looks on a white background.

Color Contrast Check

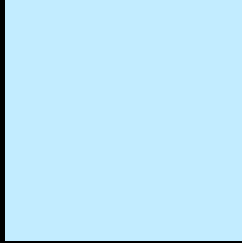
Large Text (above 18pt) WCAG AA × Fail

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 91, 16.580, 235.342 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 91, 16.580, 235.342

Background



This preview shows how black text looks on a background with the CIELCh color 91, 16.580, 235.342.

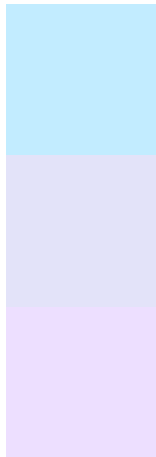


This preview shows how white text looks on a background with the CIELCh color 91, 16.580, 235.342.

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


91, 16.580, 235.342

Protanopia

91, 11.423, 291.098

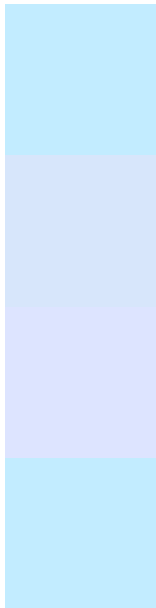
Deuteranopia

91, 17.376, 307.469



Tritanopia
91, 16.580, 235.342

Trichromacy



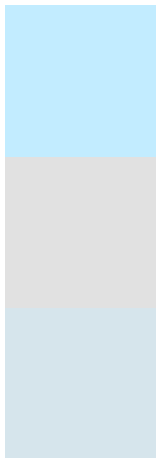
Original Color
91, 16.580, 235.342

Protanomaly
91, 11.895, 265.919

Deuteranomaly
91, 14.158, 281.730

Tritanomaly
91, 16.580, 235.342

Monochromacy



Original Color
91, 16.580, 235.342

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 6.278, 234.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 16.580, 235.342 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(194, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 236, 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(194, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 236, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 16.580, 235.342 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(194, 236, 255) }
```

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

```
.border{ border-color:rgb(194, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 236,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 16.580, 235.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 236, 255) }
```

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

```
.background{ background-color: rgb(194,  
236, 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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