

Converting Colors

CIELCh(90, 16.004, 277.083)

Have a look what the booklet for
CIELCh(90, 16.004, 277.083)
contains.

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Color

CIELCh(90, 15.507, 276.442)

Conversions

Conversions Part 1

Format	Color
Hex	D7E3FF
RGB	215, 227, 255
RGB Percent	84%, 89%, 100%
CMY	0.1587, 0.1117, 0.0000
CMYK	0.16, 0.11, 0.00, 0.00
HSL	222°, 100%, 92%
HSV	222°, 16%, 100%
XYZ	73.3557, 76.3034, 105.9178
YIQ	226.6040, -16.1400, 6.1640

Conversions

Conversions Part 2

Format	Color
R _Y B	215, 224, 255
Decimal	14148607
CIE Lab	90.00, 1.74, -15.41
CIE LCh	90, 15.507, 276.442
Yxy	76.3034, 0.2870, 0.2986
Android (android.graphics.Color)	4292338687 (0xFFD7E3FF)
YUV	226.6040, 13.9992, -10.1767
Hunter-Lab	87.3518, -2.9661, -10.7454

Details

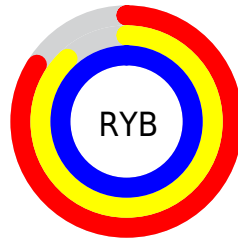
The CIELCh color `90, 15.507, 276.442` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 15.186, 91.967`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 14.716, 275.185` is the 20% darker color. If you saturate the color by 10%, you get `84, 25.093, 277.788`, and if you desaturate by 10%, it is `96, 5.590, 274.740`.

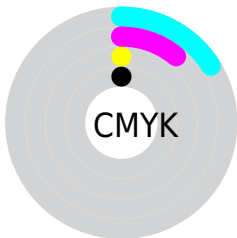
Distribution



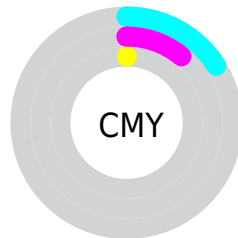
- Red (84%)
- Green (89%)
- Blue (100%)



- Red (84%)
- Yellow (88%)
- Blue (100%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 15.507, 276.442 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, 15.507, 276.442 by changing the saturation by 10% instead.

■ 90, 15.507,
276.442

■ 90, 15.507,
276.442

■ 100, 15.507,
276.442

■ 80, 15.507,
276.442

■ 70, 15.507,
276.442

■ 60, 15.507,
276.442

■ 50, 15.507,
276.442

■ 40, 15.507,
276.442

■ 30, 15.507,
276.442

■ 20, 15.507,

276.442

■ 10, 15.507,
276.442

■ 0, 15.507, 276.442

■ 90, 15.507,
276.442

■ 90, 15.507,
276.442

■ 84, 25.093,
277.788

■ 96, 5.590, 274.740

■ 77, 35.162,
279.733

100, 0.012,
296.813

■ 71, 45.474,
282.006

■ 65, 56.066,
284.639

■ 59, 66.975,
287.636

■ 53, 78.209,
290.945

■ 48, 89.668,
294.434

■ 43, 101.022,
297.880

■ 42, 105.555,
299.187

Harmonies

Complementary

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



90, 15.507, 276.442



96, 15.186, 91.967

Rectangle

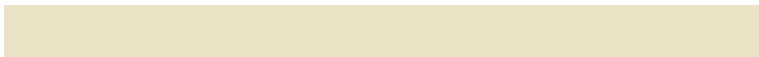
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 15.507, 276.442



90, 15.507, 326.442



90, 15.507, 96.442



90, 15.507, 146.442

Sweetspot

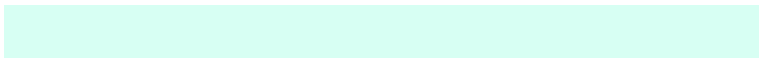
The Sweet Spot groups the original color and five complimentary colors.



90, 15.240, 276.132



97, 4.755, 274.633



97, 15.303, 174.487



51, 3.245, 274.718



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, 15.240, 276.132



88, 18.297, 276.621



88, 21.426, 299.194



50, 5.425, 275.213



31, 83.539, 298.606



7, 33.528, 293.738

Inverse Universe

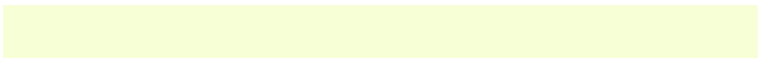
The Inverse Universe completely reimagines the original color for something new.



89, 15.999, 357.764



87, 19.263, 358.130



98, 20.708, 116.903



50, 5.656, 357.055



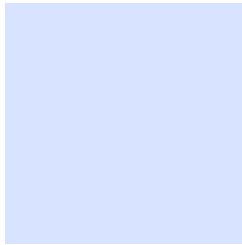
40, 70.803, 21.575



10, 31.475, 12.991

Previews

White Background



This preview shows how the CIE LCh color 90, 15.507, 276.442 looks on a white background.

Color Contrast Check

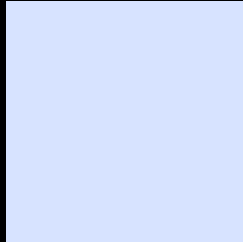
Large Text (above 18pt) WCAG AA × Fail

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, 15.507, 276.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

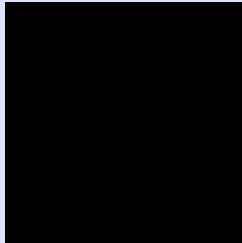
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

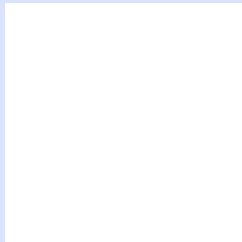
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 15.507, 276.442

Background



This preview shows how black text looks on a background with the CIELCh color 90, 15.507, 276.442.



This preview shows how white text looks on a background with the CIELCh color 90, 15.507, 276.442.

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

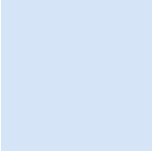
90, 14.997, 275.851

Protanopia

90, 15.613, 288.965

Deuteranopia

90, 18.316, 305.569



Tritanopia
90, 10.541, 262.075

Trichromacy



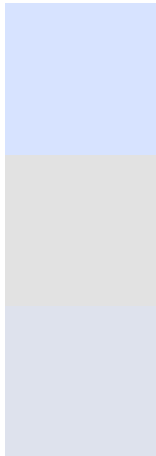
Original Color
90, 14.997, 275.851

Protanomaly
90, 15.175, 283.764

Deuteranomaly
90, 16.736, 296.153

Tritanomaly
90, 12.152, 269.936

Monochromacy



Original Color
90, 14.997, 275.851

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.866, 276.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 15.507, 276.442 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(215, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 227, 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(215, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 227, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 15.507, 276.442 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(215, 227, 255) }
```

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

```
.border{ border-color:rgb(215, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 227,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 15.507, 276.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 227, 255) }
```

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

```
.background{ background-color: rgb(215,  
227, 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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