

Converting Colors

CIELCh(88, 12.141, 269.316)

Have a look what the booklet for
CIELCh(88, 12.141, 269.316)
contains.

CIELCh(88, 12.316, 268.519)	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(88, 12.316, 268.519)

Conversions

Conversions Part 1

Format	Color
Hex	D0DEF4
RGB	208, 222, 244
RGB Percent	82%, 87%, 96%
CMY	0.1849, 0.1300, 0.0438
CMYK	0.15, 0.09, 0.00, 0.04
HSL	217°, 62%, 89%
HSV	217°, 15%, 96%
XYZ	68.3501, 72.0653, 95.7652
YIQ	220.3220, -15.4060, 3.8740

Conversions

Conversions Part 2

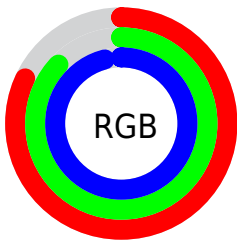
Format	Color
R _Y B	208, 218, 244
Decimal	13688564
CIE Lab	88.00, -0.32, -12.31
CIE LCh	88, 12.316, 268.519
Yxy	72.0653, 0.2894, 0.3051
Android (android.graphics.Color)	4291878644 (0xFFD0DEF4)
YUV	220.3220, 11.6733, -10.8064
Hunter-Lab	84.8913, -4.8407, -7.4607

Details

The CIELCh color **88, 12.316, 268.519** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **92, 12.475, 84.494**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 12.439, 268.094** is the 20% darker color. If you saturate the color by 10%, you get **83, 20.735, 270.207**, and if you desaturate by 10%, it is **94, 3.962, 267.113**.

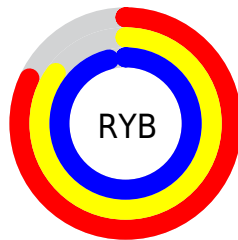
Distribution



Red (82%)

Green (87%)

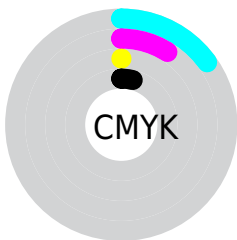
Blue (96%)



Red (82%)

Yellow (85%)

Blue (96%)

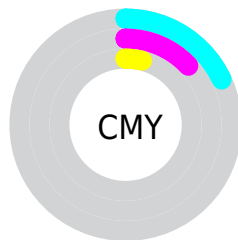


Cyan (15%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (18%)


Magenta (13%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 12.316, 268.519 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 88, 12.316, 268.519 by changing the saturation by 10% instead.


 88, 12.316,
268.519


 88, 12.316,
268.519


 100, 12.316,
268.519


 78, 12.316,
268.519

 68, 12.316,
268.519

 58, 12.316,
268.519

 48, 12.316,
268.519

 38, 12.316,
268.519

 28, 12.316,
268.519

 18, 12.316,

268.519

■ 8, 12.316, 268.519

■ 0, 12.316, 268.519

■ 88, 12.316,
268.519

■ 88, 12.316,
268.519

■ 83, 20.735,
270.207

■ 94, 3.962, 267.113

■ 77, 29.219,
272.207

■ 99, 4.119, 93.036

■ 72, 37.773,
274.559

■ 100, 5.649,
109.742

■ 66, 46.417,
277.306

■ 61, 55.194,

280.470

■ 56, 64.160,
284.030

■ 52, 73.361,
287.894

■ 47, 82.775,
291.880

■ 45, 87.754,
293.881

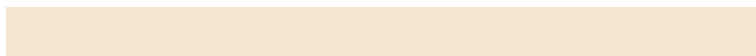
Harmonies

Complementary

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



88, 12.316, 268.519



92, 12.475, 84.494

Rectangle

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



88, 12.316, 268.519



88, 12.316, 318.519



88, 12.316, 88.519



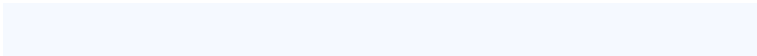
88, 12.316, 138.519

Sweetspot

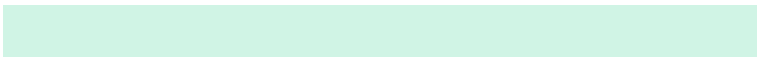
The Sweet Spot groups the original color and five complimentary colors.



88, 12.315, 268.512



98, 3.451, 267.028



93, 14.680, 168.089



52, 2.452, 267.113



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 12.315, 268.512



90, 15.590, 269.037



85, 19.042, 295.445



48, 4.747, 267.731



34, 70.386, 293.198



8, 26.927, 286.924

Inverse Universe

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



87, 15.019, 351.471



88, 19.080, 351.826



95, 18.415, 112.899



48, 5.753, 350.920



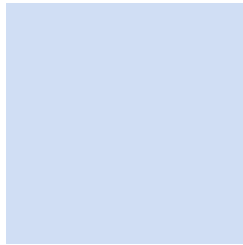
39, 67.095, 12.769



9, 29.643, 4.867

Previews

White Background



This preview shows how the CIE LCh color 88, 12.316, 268.519 looks on a white background.

Color Contrast Check

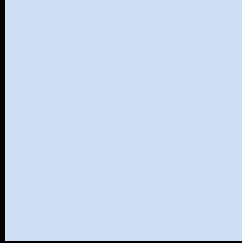
Large Text (above 18pt) WCAG AA × Fail

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 88, 12.316, 268.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

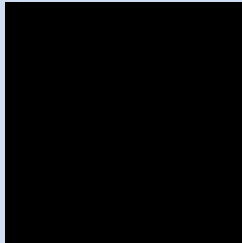
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

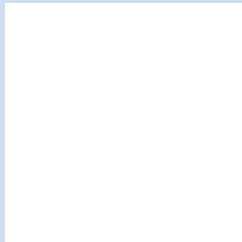
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 12.316, 268.519

Background



This preview shows how black text looks on a background with the CIELCh color 88, 12.316, 268.519.



This preview shows how white text looks on a background with the CIELCh color 88, 12.316, 268.519.

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](#).

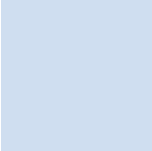
Dichromacy



Original Color
88, 12.316, 268.519

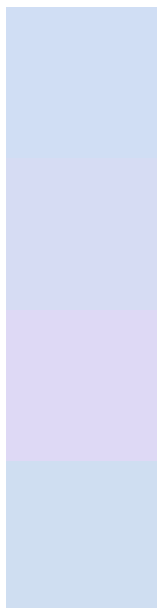
Protanopia
88, 12.022, 289.536

Deuteranopia
88, 16.599, 309.620



Tritanopia
88, 10.590, 262.124

Trichromacy



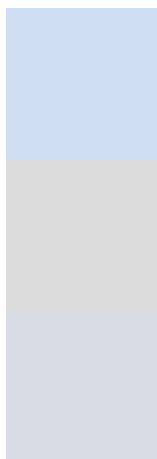
Original Color
88, 12.316, 268.519

Protanomaly
88, 12.149, 281.475

Deuteranomaly
88, 14.779, 298.035

Tritanomaly
88, 11.044, 263.515

Monochromacy



Original Color
88, 12.316, 268.519

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.508, 267.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 12.316, 268.519 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(208, 222, 244)` looks like.

```
.text, #text, p{  
    color:rgb(208, 222, 244)  
}
```

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(208, 222, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 222, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 12.316, 268.519 is called "border". The border property can be set on classes, ids or directly on the HTML element.

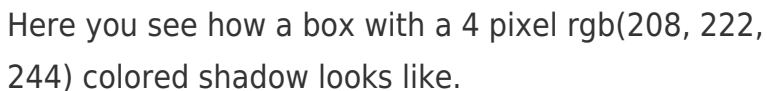
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 222, 244) }
```

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

```
.border{ border-color:rgb(208, 222, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(208, 222, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 222, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 222, 244); box-shadow:4px 4px 4px 4px rgb(208, 222, 244) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 12.316, 268.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 222, 244) }
```

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

```
.background{ background-color: rgb(208,  
222, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor