

Converting Colors

CIELCh(81, 29.517, 276.918)

Have a look what the booklet for
CIELCh(81, 29.517, 276.918)
contains.

CIELCh(81, 29.012, 276.341)	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(81, 29.012, 276.341)

Conversions

Conversions Part 1

Format	Color
Hex	B0CAFF
RGB	176, 202, 255
RGB Percent	69%, 79%, 100%
CMY	0.3111, 0.2091, 0.0014
CMYK	0.31, 0.21, 0.00, 0.00
HSL	220°, 99%, 84%
HSV	220°, 31%, 100%
XYZ	56.8626, 58.4711, 102.5989
YIQ	200.2680, -32.5090, 10.9710

Conversions

Conversions Part 2

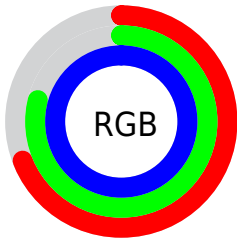
Format	Color
R _Y B	176, 196, 255
Decimal	11586303
CIE Lab	81.00, 3.20, -28.83
CIE LCh	81, 29.012, 276.341
Yxy	58.4711, 0.2609, 0.2683
Android (android.graphics.Color)	4289776383 (0xFFB0CAFF)
YUV	200.2680, 26.9829, -21.2830
Hunter-Lab	76.4664, -1.0785, -26.0260

Details

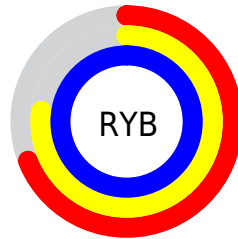
The CIELCh color `81, 29.012, 276.341` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `92, 29.161, 87.418`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 7.521, 199.018`, and `61, 29.029, 276.214` is the 20% darker color. If you saturate the color by 10%, you get `75, 38.699, 278.492`, and if you desaturate by 10%, it is `87, 19.496, 274.505`.

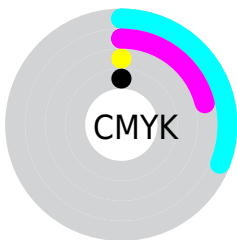
Distribution



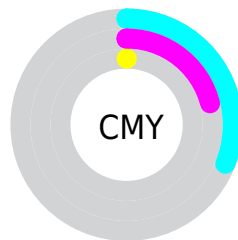
- Red (69%)
- Green (79%)
- Blue (100%)



- Red (69%)
- Yellow (77%)
- Blue (100%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 29.012, 276.341 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 81, 29.012, 276.341 by changing the saturation by 10% instead.

■ 81, 29.012,
276.341

■ 81, 29.012,
276.341

■ 100, 29.012,
276.341

■ 71, 29.012,
276.341

■ 61, 29.012,
276.341

■ 51, 29.012,
276.341

■ 41, 29.012,
276.341

■ 31, 29.012,
276.341

■ 21, 29.012,
276.341

■ 11, 29.012,

276.341

■ 1, 29.012, 276.341

■ 0, 29.012, 276.341

■ 81, 29.012,
276.341

■ 81, 29.012,
276.341

■ 75, 38.699,
278.492

■ 87, 19.496,
274.505

■ 69, 48.587,
281.003

■ 93, 10.140,
272.949

■ 63, 58.716,
283.897

■ 99, 0.938, 271.881

■ 58, 69.127,
287.160

100, 0.167,
109.703

■ 52, 79.829,

290.710

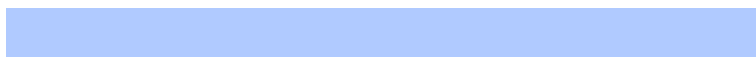
■ 47, 90.711,
294.382

■ 44, 100.393,
297.540

Harmonies

Complementary

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



81, 29.012, 276.341



92, 29.161, 87.418

Rectangle

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



81, 29.012, 276.341



81, 29.012, 326.341



81, 29.012, 96.341



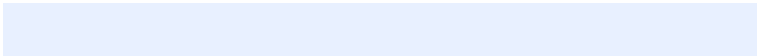
81, 29.012, 146.341

Sweetspot

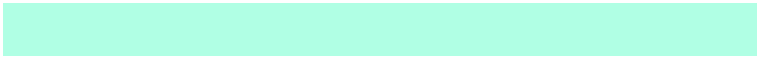
The Sweet Spot groups the original color and five complimentary colors.



81, 29.011, 276.340



95, 8.281, 272.667



94, 29.937, 170.575



50, 5.760, 272.869



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 29.011, 276.340



77, 34.824, 277.587



75, 42.974, 299.517



50, 5.233, 272.737



33, 79.500, 296.917



8, 31.893, 291.816

Inverse Universe

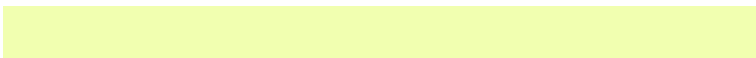
The Inverse Universe completely reimagines the original color for something new.



80, 32.433, 357.421



76, 38.943, 358.316



97, 39.970, 114.431



50, 5.752, 354.816



40, 69.770, 18.578



10, 31.358, 10.619

Previews

White Background



This preview shows how the CIE LCh color 81, 29.012, 276.341 looks on a white background.

Color Contrast Check

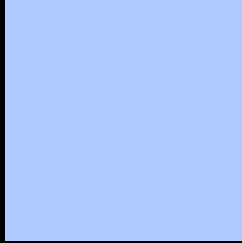
Large Text (above 18pt) WCAG AA × Fail

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 81, 29.012, 276.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

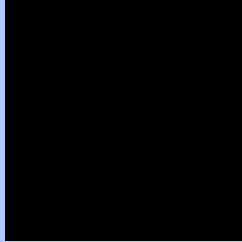
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

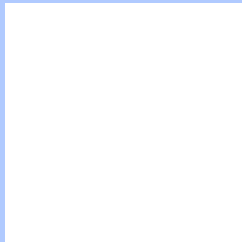
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 29.012, 276.341

Background



This preview shows how black text looks on a background with the CIELCh color 81, 29.012, 276.341.



This preview shows how white text looks on a background with the CIELCh color 81, 29.012, 276.341.

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

81, 29.012, 276.341

Protanopia

81, 28.296, 285.469

Deuteranopia

81, 30.860, 289.884



Tritanopia
81, 15.297, 235.077

Trichromacy



Original Color
81, 29.012, 276.341

Protanomaly
81, 28.464, 282.329

Deuteranomaly
81, 29.931, 284.842

Tritanomaly
81, 19.073, 256.061

Monochromacy



Original Color
81, 29.012, 276.341

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 10.606, 272.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 29.012, 276.341 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(176, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 202, 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(176, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 202, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 29.012, 276.341 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(176, 202, 255) }
```

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

```
.border{ border-color:rgb(176, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 202, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 202, 255); box-shadow:4px 4px 4px 4px rgb(176, 202, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 29.012, 276.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 202, 255) }
```

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

```
.background{ background-color: rgb(176,  
202, 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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