

Converting Colors

CIELCh(74, 65.261, 286.890)

Have a look what the booklet for
CIELCh(74, 65.261, 286.890)
contains.

CIELCh(72, 43.456, 278.381)	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(72, 43.456, 278.381)

Conversions

Conversions Part 1

Format	Color
Hex	87B1FF
RGB	135, 177, 255
RGB Percent	53%, 69%, 100%
CMY	0.4718, 0.3070, 0.0012
CMYK	0.47, 0.31, 0.00, 0.00
HSL	219°, 99%, 76%
HSV	219°, 47%, 100%
XYZ	43.6103, 43.6590, 100.4790
YIQ	173.3340, -50.0700, 15.3540

Conversions

Conversions Part 2

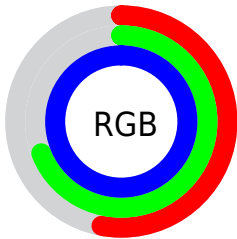
Format	Color
RYB	135, 166, 255
Decimal	8892927
CIELab	72.00, 6.33, -42.99
CIElCh	72, 43.456, 278.381
Yxy	43.6590, 0.2323, 0.2325
Android (android.graphics.Color)	4287083007 (0xFF87B1FF)
YUV	173.3340, 40.2613, -33.6189
Hunter-Lab	66.0750, 2.1810, -43.9087

Details

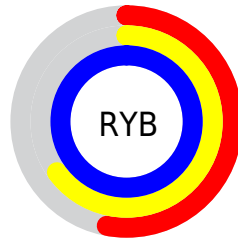
The CIELCh color **72, 43.456, 278.381** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **87, 44.184, 83.423**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 17.117, 243.348**, and **52, 43.368, 278.371** is the 20% darker color. If you saturate the color by 10%, you get **66, 53.114, 281.166**, and if you desaturate by 10%, it is **78, 33.978, 275.983**.

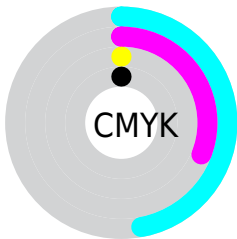
Distribution



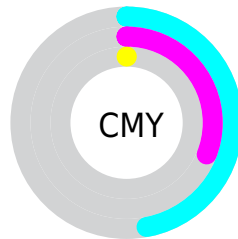
- Red (53%)
- Green (69%)
- Blue (100%)



- Red (53%)
- Yellow (65%)
- Blue (100%)



- Cyan (47%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (31%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 43.456, 278.381 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 72, 43.456, 278.381 by changing the saturation by 10% instead.


 72, 43.456,
278.381


 72, 43.456,
278.381


 100, 43.456,
278.381


 62, 43.456,
278.381


 92, 43.456,
278.381

 52, 43.456,
278.381

 42, 43.456,
278.381

 32, 43.456,
278.381

 22, 43.456,
278.381

 12, 43.456,
278.381

 2, 43.456, 278.381

■ 0, 43.456, 278.381

■ 72, 43.456,
278.381

■ 72, 43.456,
278.381

■ 66, 53.114,
281.166

■ 78, 33.978,
275.983

■ 61, 63.003,
284.343

■ 84, 24.650,
273.936

■ 55, 73.163,
287.868

■ 90, 15.455,
272.196

■ 50, 83.579,
291.615

■ 96, 6.385, 270.731

■ 46, 94.091,
295.367

100, 0.143,
109.626

■ 45, 97.108,
296.376

Harmonies

Complementary

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



72, 43.456, 278.381



87, 44.184, 83.423

Rectangle

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



72, 43.456, 278.381



72, 43.456, 328.381



72, 43.456, 98.381



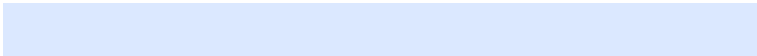
72, 43.456, 148.381

Sweetspot

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



72, 43.455, 278.381



92, 12.630, 271.710



92, 45.175, 166.371



48, 8.732, 272.044



0, 0.000, 0.000



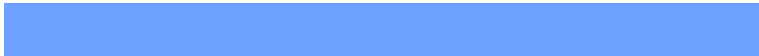
53, 0.007, 296.813

Same Dimension

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



72, 43.455, 278.381



66, 53.056, 281.133



63, 67.270, 300.569



50, 5.115, 271.055



34, 76.869, 295.725



9, 30.830, 290.440

Inverse Universe

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



71, 49.997, 358.583



66, 59.983, 0.654



97, 59.435, 111.819



50, 5.818, 353.421



40, 69.226, 16.606



10, 31.309, 8.982

Previews

White Background



This preview shows how the CIELCh color 72, 43.456, 278.381 looks on a white background.

Color Contrast Check

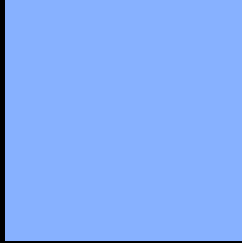
Large Text (above 18pt) WCAG AA × Fail

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 72, 43.456, 278.381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

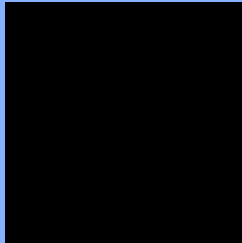
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

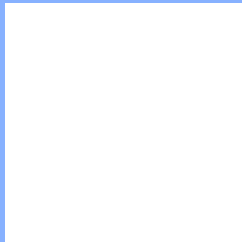
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 43.456, 278.381

Background



This preview shows how black text looks on a background with the CIELCh color 72, 43.456, 278.381.



This preview shows how white text looks on a background with the CIELCh color 72, 43.456, 278.381.

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

72, 43.456, 278.381

Protanopia

72, 43.239, 285.646

Deuteranopia

72, 44.545, 283.202



Tritanopia
72, 22.712, 219.149

Trichromacy



Original Color
72, 43.456, 278.381

Protanomaly
72, 43.456, 283.117

Deuteranomaly
72, 44.155, 281.604

Tritanomaly
72, 26.517, 250.317

Monochromacy



Original Color
72, 43.456, 278.381

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 16.506, 273.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 43.456, 278.381 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(135, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 177, 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(135, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 177, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 43.456, 278.381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

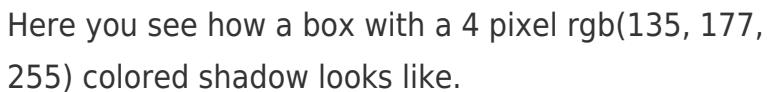
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 177, 255) }
```

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

```
.border{ border-color:rgb(135, 177, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 177,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 43.456, 278.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 177, 255) }
```

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

```
.background{ background-color: rgb(135,  
177, 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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