

Converting Colors

CIELCh(72, 46.412, 289.721)

Have a look what the booklet for
CIELCh(72, 46.412, 289.721)
contains.

CIELCh(72, 45.767, 289.663)	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, 45.767, 289.663)

Conversions

Conversions Part 1

Format	Color
Hex	9EABFF
RGB	158, 171, 255
RGB Percent	62%, 67%, 100%
CMY	0.3800, 0.3291, 0.0000
CMYK	0.38, 0.33, 0.00, 0.00
HSL	232°, 100%, 81%
HSV	232°, 38%, 100%
XYZ	46.7589, 43.6590, 100.6437
YIQ	176.6890, -34.7120, 23.3680

Conversions

Conversions Part 2

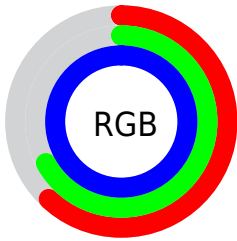
Format	Color
RYB	158, 169, 255
Decimal	10398719
CIELab	72.00, 15.40, -43.10
CIELCh	72, 45.767, 289.663
Yxy	43.6590, 0.2447, 0.2285
Android (android.graphics.Color)	4288588799 (0xFF9EABFF)
YUV	176.6890, 38.6073, -16.3903
Hunter-Lab	66.0750, 10.6868, -44.0565

Details

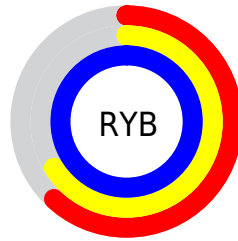
The CIELCh color `72, 45.767, 289.663` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `95, 42.698, 99.850`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 15.434, 277.630`, and `52, 45.872, 289.584` is the 20% darker color. If you saturate the color by 10%, you get `65, 58.863, 291.747`, and if you desaturate by 10%, it is `79, 33.073, 287.852`.

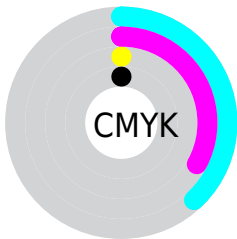
Distribution



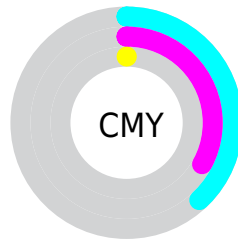
- Red (62%)
- Green (67%)
- Blue (100%)



- Red (62%)
- Yellow (66%)
- Blue (100%)



- Cyan (38%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.767, 289.663 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, 45.767, 289.663 by changing the saturation by 10% instead.


 72, 45.767,
289.663


 72, 45.767,
289.663


 100, 45.767,
289.663


 62, 45.767,
289.663


 92, 45.767,
289.663

 52, 45.767,
289.663

 42, 45.767,
289.663

 32, 45.767,
289.663

 22, 45.767,
289.663

 12, 45.767,
289.663

 2, 45.767, 289.663

■ 0, 45.767, 289.663

■ 72, 45.767,
289.663

■ 72, 45.767,
289.663

■ 65, 58.863,
291.747

■ 79, 33.073,
287.852

■ 58, 72.507,
294.138

■ 87, 20.891,
286.317

■ 51, 86.537,
296.776

■ 94, 9.137, 285.016

■ 45, 100.564,
299.525

100, 0.012,
296.813

■ 39, 113.684,
302.141

■ 35, 124.391,
304.299

■ 35,126.114,
304.632

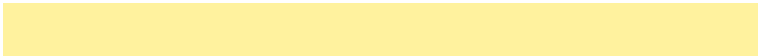
Harmonies

Complementary

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



72, 45.767, 289.663



95, 42.698, 99.850

Rectangle

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



72, 45.767, 289.663



72, 45.767, 339.663



72, 45.767, 109.663



72, 45.767, 159.663

Sweetspot

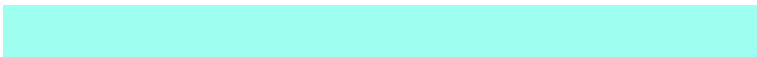
The Sweet Spot groups the original color and five complimentary colors.



72, 45.719, 289.653



92, 12.615, 285.382



94, 31.884, 183.746



48, 8.495, 285.554



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, 45.719, 289.653



66, 56.187, 291.303



71, 54.058, 306.152



49, 6.504, 285.197



25, 100.441, 304.309



5, 39.861, 299.243

Inverse Universe

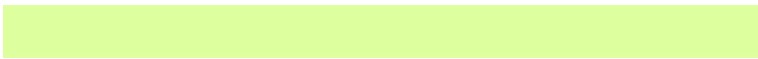
The Inverse Universe completely reimagines the original color for something new.



75, 38.544, 12.935



71, 47.400, 14.467



96, 50.178, 121.601



50, 5.325, 9.179



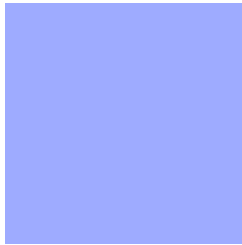
40, 78.291, 34.065



10, 32.378, 21.690

Previews

White Background



This preview shows how the CIELCh color 72, 45.767, 289.663 looks on a white background.

Color Contrast Check

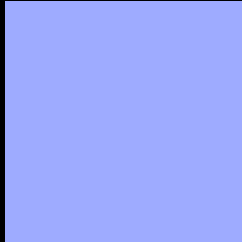
Large Text (above 18pt) WCAG AA × Fail

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, 45.767, 289.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

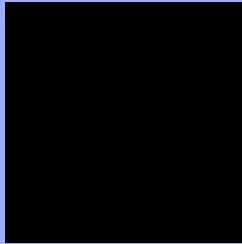
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 45.767, 289.663

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.767, 289.663.



This preview shows how white text looks on a background with the CIELCh color 72, 45.767, 289.663.

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, 45.767, 289.663

Protanopia

72, 44.860, 285.816

Deuteranopia

72, 43.456, 282.733



Tritanopia
72, 15.011, 229.219

Trichromacy



Original Color
72, 45.767, 289.663

Protanomaly
72, 45.319, 287.396

Deuteranomaly
72, 43.792, 285.076

Tritanomaly
72, 22.984, 267.271

Monochromacy



Original Color
72, 45.767, 289.663

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 16.399, 285.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.767, 289.663 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(158, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 171, 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(158, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.767, 289.663 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(158, 171, 255) }
```

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

```
.border{ border-color:rgb(158, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.767, 289.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 171, 255) }
```

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

```
.background{ background-color: rgb(158,  
171, 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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