

Converting Colors

CIELCh(72, 45.720, 287.776)

Have a look what the booklet for
CIELCh(72, 45.720, 287.776)
contains.

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Color

CIELCh(72, 45.293, 287.745)

Conversions

Conversions Part 1

Format	Color
Hex	9AACFF
RGB	154, 172, 255
RGB Percent	60%, 67%, 100%
CMY	0.3956, 0.3250, 0.0000
CMYK	0.40, 0.33, 0.00, 0.00
HSL	229°, 100%, 80%
HSV	229°, 40%, 100%
XYZ	46.1941, 43.6590, 100.7054
YIQ	176.0800, -37.3710, 21.9970

Conversions

Conversions Part 2

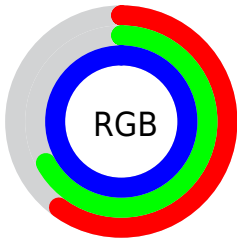
Format	Color
RYB	154, 169, 255
Decimal	10136831
CIELab	72.00, 13.80, -43.14
CIELCh	72, 45.293, 287.745
Yxy	43.6590, 0.2424, 0.2291
Android (android.graphics.Color)	4288326911 (0xFF9AACFF)
YUV	176.0800, 38.9076, -19.3642
Hunter-Lab	66.0750, 9.1611, -44.1119

Details

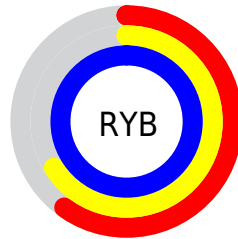
The CIELCh color **72, 45.293, 287.745** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94, 42.656, 97.048**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 15.365, 271.103**, and **52, 45.373, 287.740** is the 20% darker color. If you saturate the color by 10%, you get **65, 57.670, 289.936**, and if you desaturate by 10%, it is **79, 33.224, 285.826**.

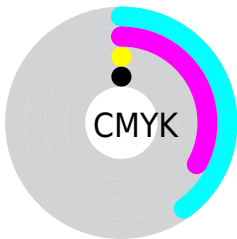
Distribution



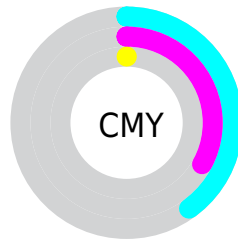
- Red (60%)
- Green (67%)
- Blue (100%)



- Red (60%)
- Yellow (66%)
- Blue (100%)



- Cyan (40%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.293, 287.745 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, 45.293, 287.745 by changing the saturation by 10% instead.


 72, 45.293,
287.745


 72, 45.293,
287.745


 100, 45.293,
287.745


 62, 45.293,
287.745


 92, 45.293,
287.745

 52, 45.293,
287.745

 42, 45.293,
287.745

 32, 45.293,
287.745

 22, 45.293,
287.745

 12, 45.293,
287.745

 2, 45.293, 287.745

■ 0, 45.293, 287.745

■ 72, 45.293,
287.745

■ 72, 45.293,
287.745

■ 65, 57.670,
289.936

■ 79, 33.224,
285.826

■ 58, 70.575,
292.460

■ 86, 21.632,
284.203

■ 52, 83.872,
295.253

■ 93, 10.413,
282.825

■ 46, 97.279,
298.188

■ 100, 0.012,
296.813

■ 40, 110.101,
301.039

■ 36, 121.132,
303.478

■ 36,121.559,
303.568

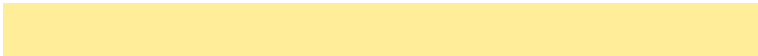
Harmonies

Complementary

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



72, 45.293, 287.745



94, 42.656, 97.048

Rectangle

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



72, 45.293, 287.745



72, 45.293, 337.745



72, 45.293, 107.745



72, 45.293, 157.745

Sweetspot

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



72, 45.225, 287.727



92, 13.119, 283.140



94, 33.700, 180.776



48, 8.719, 283.314



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, 45.225, 287.727



67, 54.442, 289.341



70, 56.245, 305.215



49, 6.193, 282.818



27, 96.589, 303.168



6, 38.424, 298.210

Inverse Universe

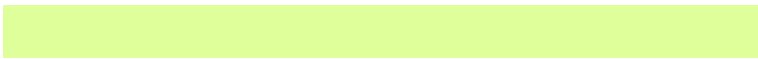
The Inverse Universe completely reimagines the original color for something new.



74, 40.326, 9.841



70, 48.441, 11.310



96, 51.808, 120.178



50, 5.390, 5.734



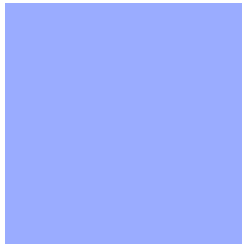
40, 76.027, 31.169



10, 32.112, 19.776

Previews

White Background



This preview shows how the CIELCh color 72, 45.293, 287.745 looks on a white background.

Color Contrast Check

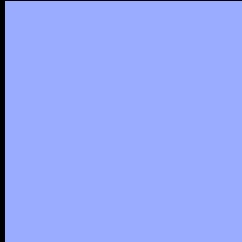
Large Text (above 18pt) WCAG AA × Fail

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, 45.293, 287.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

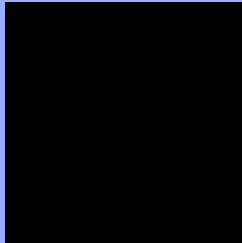
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 45.293, 287.745

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.293, 287.745.



This preview shows how white text looks on a background with the CIELCh color 72, 45.293, 287.745.

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, 45.293, 287.745

Protanopia

72, 44.860, 285.816

Deuteranopia

72, 43.456, 282.733



Tritanopia
72, 16.298, 228.721

Trichromacy



Original Color
72, 45.293, 287.745

Protanomaly
72, 44.798, 286.511

Deuteranomaly
72, 43.864, 284.370

Tritanomaly
72, 23.934, 265.261

Monochromacy



Original Color
72, 45.293, 287.745

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 16.470, 283.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.293, 287.745 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(154, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 172, 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(154, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 172, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.293, 287.745 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(154, 172, 255) }
```

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

```
.border{ border-color:rgb(154, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 172,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.293, 287.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 172, 255) }
```

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

```
.background{ background-color: rgb(154,  
172, 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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