

Converting Colors

CIELCh(72, 53.100, 292.243)

Have a look what the booklet for
CIELCh(72, 53.100, 292.243)
contains.

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Color

CIELCh(72, 46.887, 290.980)

Conversions

Conversions Part 1

Format	Color
Hex	A0AAFF
RGB	160, 170, 255
RGB Percent	63%, 67%, 100%
CMY	0.3713, 0.3323, 0.0000
CMYK	0.37, 0.33, 0.00, 0.00
HSL	234°, 100%, 81%
HSV	234°, 37%, 100%
XYZ	47.2537, 43.6590, 101.7019
YIQ	176.7000, -33.2450, 24.3150

Conversions

Conversions Part 2

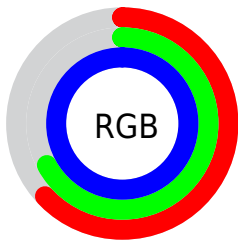
Format	Color
RYB	160, 169, 255
Decimal	10529535
CIELab	72.00, 16.79, -43.78
CIELCh	72, 46.887, 290.980
Yxy	43.6590, 0.2453, 0.2267
Android (android.graphics.Color)	4288719615 (0xFFA0AAFF)
YUV	176.7000, 38.6019, -14.6459
Hunter-Lab	66.0750, 12.0236, -45.0060

Details

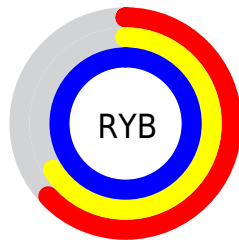
The CIELCh color $72, 46.887, 290.980$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $96, 42.873, 101.545$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 15.774, 281.671$, and $52, 46.439, 290.765$ is the 20% darker color. If you saturate the color by 10%, you get $64, 59.760, 292.874$, and if you desaturate by 10%, it is $80, 33.077, 289.105$.

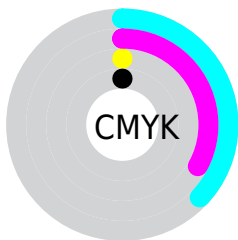
Distribution



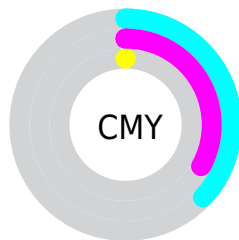
- Red (63%)
- Green (67%)
- Blue (100%)



- Red (63%)
- Yellow (66%)
- Blue (100%)



- Cyan (37%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 46.887, 290.980 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, 46.887, 290.980 by changing the saturation by 10% instead.


 72, 46.887,
290.980


 72, 46.887,
290.980


 100, 46.887,
290.980


 62, 46.887,
290.980


 92, 46.887,
290.980

 52, 46.887,
290.980

 42, 46.887,
290.980

 32, 46.887,
290.980

 22, 46.887,
290.980

 12, 46.887,
290.980

 2, 46.887, 290.980

■ 0, 46.887, 290.980

■ 72, 46.887,
290.980

■ 72, 46.887,
290.980

■ 64, 59.760,
292.874

■ 80, 33.077,
289.105

■ 57, 73.885,
295.186

■ 87, 20.502,
287.621

■ 50, 88.381,
297.729

■ 95, 8.387, 286.365

■ 44, 102.771,
300.357

100, 0.012,
296.813

■ 39, 115.989,
302.813

■ 35, 126.331,
304.768

■ 34, 128.552,
305.175

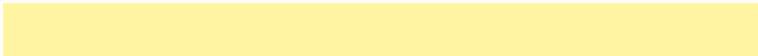
Harmonies

Complementary

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



72, 46.887, 290.980



96, 42.873, 101.545

Rectangle

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



72, 46.887, 290.980



72, 46.887, 340.980



72, 46.887, 110.980



72, 46.887, 160.980

Sweetspot

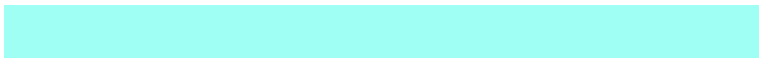
The Sweet Spot groups the original color and five complimentary colors.



72, 46.153, 290.847



92, 13.025, 286.825



94, 30.677, 186.736



48, 8.772, 286.994



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, 46.153, 290.847



66, 56.818, 292.418



72, 52.912, 307.161



49, 6.715, 286.643



25, 102.559, 304.905



5, 40.791, 299.858

Inverse Universe

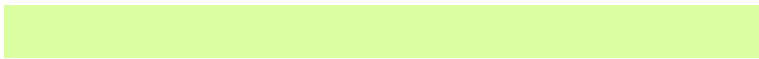
The Inverse Universe completely reimagines the original color for something new.



76, 37.592, 15.011



71, 46.405, 16.471



96, 49.408, 122.957



50, 5.294, 11.488



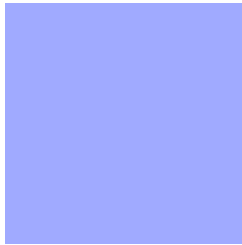
40, 79.740, 35.701



10, 32.568, 22.911

Previews

White Background



This preview shows how the CIELCh color 72, 46.887, 290.980 looks on a white background.

Color Contrast Check

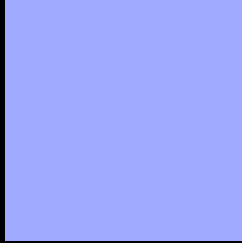
Large Text (above 18pt) WCAG AA × Fail

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, 46.887, 290.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

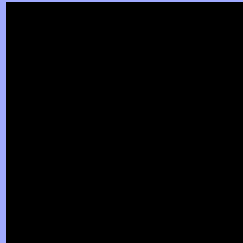
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 46.887, 290.980

Background



This preview shows how black text looks on a background with the CIELCh color 72, 46.887, 290.980.



This preview shows how white text looks on a background with the CIELCh color 72, 46.887, 290.980.

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, 46.303, 290.856

Protanopia

72, 44.892, 285.471

Deuteranopia

72, 43.456, 282.733



Tritanopia
72, 13.949, 231.938

Trichromacy



Original Color
72, 46.303, 290.856

Protanomaly
72, 45.319, 287.396

Deuteranomaly
72, 44.298, 285.994

Tritanomaly
72, 22.564, 270.183

Monochromacy



Original Color
72, 46.303, 290.856

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 16.374, 286.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 46.887, 290.980 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(160, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 170, 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(160, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 170, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 46.887, 290.980 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(160, 170, 255) }
```

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

```
.border{ border-color:rgb(160, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 170,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 46.887, 290.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 170, 255) }
```

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

```
.background{ background-color: rgb(160,  
170, 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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