

Converting Colors

CIELCh(72, 45.329, 292.237)

Have a look what the booklet for
CIELCh(72, 45.329, 292.237)
contains.

CIELCh(72, 45.188, 292.125)	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, 45.188, 292.125)

Conversions

Conversions Part 1

Format	Color
Hex	A4AAFD
RGB	164, 170, 253
RGB Percent	64%, 67%, 99%
CMY	0.3574, 0.3338, 0.0084
CMYK	0.35, 0.33, 0.00, 0.01
HSL	236°, 95%, 82%
HSV	236°, 35%, 99%
XYZ	47.3366, 43.6590, 98.7377
YIQ	177.6680, -30.2190, 24.5410

Conversions

Conversions Part 2

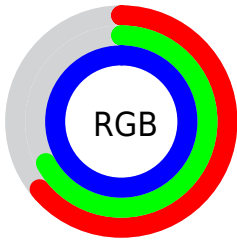
Format	Color
RYB	164, 170, 253
Decimal	10791677
CIELab	72.00, 17.02, -41.86
CIELCh	72, 45.188, 292.125
Yxy	43.6590, 0.2495, 0.2301
Android (android.graphics.Color)	4288981757 (0xFFA4AAFD)
YUV	177.6680, 37.1387, -11.9868
Hunter-Lab	66.0750, 12.2476, -42.3463

Details

The CIELCh color $72, 45.188, 292.125$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $96, 41.842, 103.665$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 15.631, 286.503$, and $52, 45.226, 292.213$ is the 20% darker color. If you saturate the color by 10%, you get $64, 59.237, 294.046$, and if you desaturate by 10%, it is $80, 31.701, 290.476$.

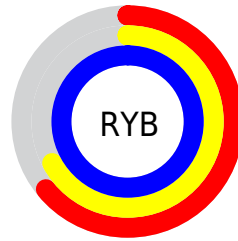
Distribution



Red (64%)

Green (67%)

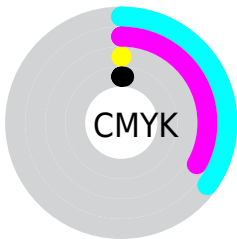
Blue (99%)



Red (64%)

Yellow (67%)

Blue (99%)

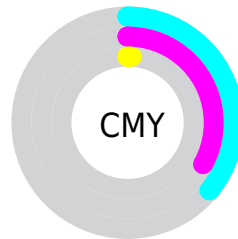


Cyan (35%)

Magenta (33%)

Yellow (0%)

Black (1%)



Cyan (36%)


Magenta (33%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.188, 292.125 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, 45.188, 292.125 by changing the saturation by 10% instead.


 72, 45.188,
292.125


 72, 45.188,
292.125


 100, 45.188,
292.125


 62, 45.188,
292.125


 92, 45.188,
292.125

 52, 45.188,
292.125

 42, 45.188,
292.125

 32, 45.188,
292.125

 22, 45.188,
292.125

 12, 45.188,
292.125

 2, 45.188, 292.125

■ 0, 45.188, 292.125

■ 72, 45.188,
292.125

■ 72, 45.188,
292.125

■ 64, 59.237,
294.046

■ 80, 31.701,
290.476

■ 57, 73.829,
296.239

■ 88, 18.752,
289.074

■ 50, 88.780,
298.649

■ 95, 6.298, 287.892

■ 43, 103.543,
301.127

■ 100, 1.077,
110.026

■ 38, 116.902,
303.408

■ 34, 126.960,
305.151

■ 33, 130.124,
305.693

Harmonies

Complementary

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



72, 45.188, 292.125



96, 41.842, 103.665

Rectangle

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



72, 45.188, 292.125



72, 45.188, 342.125



72, 45.188, 112.125



72, 45.188, 162.125

Sweetspot

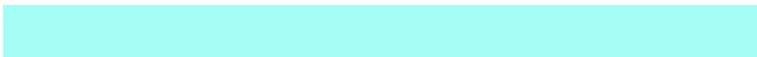
The Sweet Spot groups the original color and five complimentary colors.



72, 45.187, 292.125



91, 13.563, 288.552



94, 28.631, 189.889



48, 9.136, 288.717



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, 45.187, 292.125



67, 55.066, 293.406



74, 49.862, 308.111



49, 6.991, 288.375



24, 104.746, 305.498



4, 41.984, 300.589

Inverse Universe

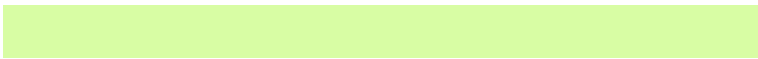
The Inverse Universe completely reimagines the original color for something new.



76, 35.287, 17.550



73, 43.224, 18.712



95, 46.932, 124.335



50, 5.266, 14.490



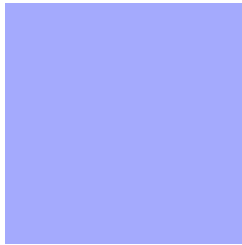
40, 81.433, 37.443



10, 32.833, 24.457

Previews

White Background



This preview shows how the CIELCh color 72, 45.188, 292.125 looks on a white background.

Color Contrast Check

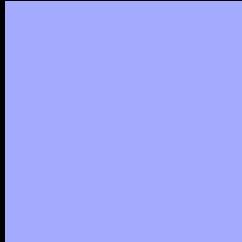
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 72, 45.188, 292.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

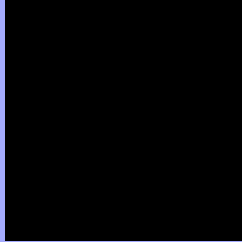
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 45.188, 292.125

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.188, 292.125.



This preview shows how white text looks on a background with the CIELCh color 72, 45.188, 292.125.

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, 45.188, 292.125

Protanopia

72, 44.860, 285.816

Deuteranopia

72, 42.283, 283.367



Tritanopia
72, 12.942, 238.109

Trichromacy



Original Color
72, 45.188, 292.125

Protanomaly
72, 44.736, 287.957

Deuteranomaly
72, 43.147, 286.748

Tritanomaly
72, 22.615, 274.551

Monochromacy



Original Color
72, 45.188, 292.125

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 16.343, 289.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.188, 292.125 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(164, 170, 253)` looks like.

```
.text, #text, p{  
    color:rgb(164, 170, 253)  
}
```

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(164, 170, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 170, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.188, 292.125 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(164, 170, 253) }
```

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

```
.border{ border-color:rgb(164, 170, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 170, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 170, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 170, 253); box-shadow:4px 4px 4px 4px rgb(164, 170, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.188, 292.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 170, 253) }
```

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

```
.background{ background-color: rgb(164,  
170, 253) }
```

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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