

Converting Colors

CIELCh(70, 47.436, 280.451)

Have a look what the booklet for
CIELCh(70, 47.436, 280.451)
contains.

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Color

CIELCh(70, 47.332, 280.569)

Conversions

Conversions Part 1

Format	Color
Hex	80AAFF
RGB	128, 170, 255
RGB Percent	50%, 67%, 100%
CMY	0.4965, 0.3319, 0.0000
CMYK	0.50, 0.33, 0.00, 0.00
HSL	220°, 100%, 75%
HSV	220°, 50%, 100%
XYZ	41.5166, 40.7494, 100.6166
YIQ	167.1320, -52.3170, 17.5310

Conversions

Conversions Part 2

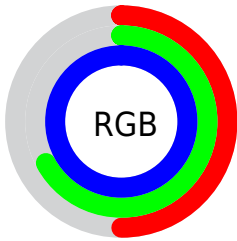
Format	Color
RYB	128, 160, 255
Decimal	8432383
CIELab	70.00, 8.68, -46.53
CIELCh	70, 47.332, 280.569
Yxy	40.7494, 0.2270, 0.2228
Android (android.graphics.Color)	4286622463 (0xFF80AAFF)
YUV	167.1320, 43.3189, -34.3188
Hunter-Lab	63.8353, 4.3795, -48.7677

Details

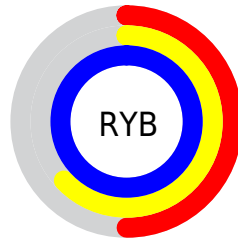
The CIELCh color `70, 47.332, 280.569` is a light color, and the websafe version is hex `6699FF`. A complement of this color would be `87, 47.267, 84.624`, and the grayscale version is `69, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 19.696, 251.967`, and `50, 47.569, 280.854` is the 20% darker color. If you saturate the color by 10%, you get `64, 57.191, 283.318`, and if you desaturate by 10%, it is `76, 37.295, 278.008`.

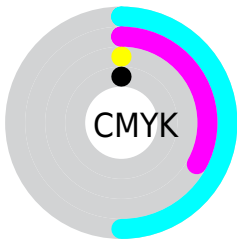
Distribution



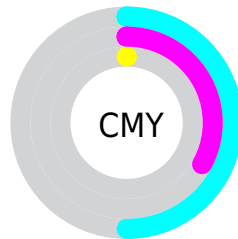
- Red (50%)
- Green (67%)
- Blue (100%)



- Red (50%)
- Yellow (63%)
- Blue (100%)



- Cyan (50%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.332, 280.569 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 70, 47.332, 280.569 by changing the saturation by 10% instead.


 70, 47.332,
280.569


 70, 47.332,
280.569


 100, 47.332,
280.569


 60, 47.332,
280.569


 90, 47.332,
280.569

 50, 47.332,
280.569

 40, 47.332,
280.569

 30, 47.332,
280.569

 20, 47.332,
280.569

 10, 47.332,
280.569

 0, 47.332, 280.569

■ 70, 47.332,
280.569

■ 70, 47.332,
280.569

■ 64, 57.191,
283.318

■ 76, 37.295,
278.008

■ 59, 67.529,
286.540

■ 82, 27.653,
275.899

■ 53, 78.159,
290.067

■ 88, 18.179,
274.102

■ 48, 89.000,
293.747

■ 94, 8.859, 272.580

■ 44, 99.780,
297.307

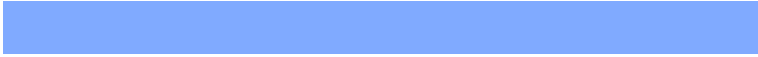
100, 0.012,
296.813

■ 44, 100.154,
297.422

Harmonies

Complementary

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



70, 47.332, 280.569



87, 47.267, 84.624

Rectangle

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



70, 47.332, 280.569



70, 47.332, 330.569



70, 47.332, 100.569



70, 47.332, 150.569

Sweetspot

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



70, 47.128, 280.472



91, 13.828, 273.362



92, 46.006, 168.209



47, 9.450, 273.690



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 47.128, 280.472



64, 57.550, 283.425



61, 71.298, 301.847



50, 5.220, 272.560



33, 79.219, 296.793



8, 31.779, 291.672

Inverse Universe

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



69, 52.382, 0.419



64, 62.564, 2.785



96, 62.650, 113.165



50, 5.759, 354.665



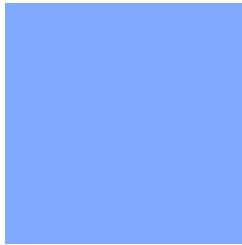
40, 69.707, 18.368



10, 31.352, 10.448

Previews

White Background



This preview shows how the CIE LCh color 70, 47.332, 280.569 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 70, 47.332, 280.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

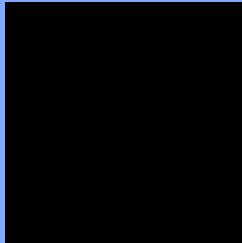
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

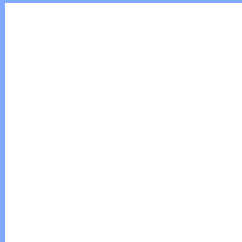
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 47.332, 280.569

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.332, 280.569.



This preview shows how white text looks on a background with the CIELCh color 70, 47.332, 280.569.

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

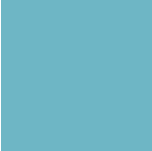
70, 47.332, 280.569

Protanopia

70, 46.773, 285.518

Deuteranopia

70, 47.149, 281.733



Tritanopia
70, 23.678, 218.266

Trichromacy



Original Color
70, 47.332, 280.569

Protanomaly
70, 46.944, 283.590

Deuteranomaly
70, 47.194, 281.439

Tritanomaly
70, 27.786, 251.042

Monochromacy



Original Color
70, 47.332, 280.569

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 17.643, 275.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.332, 280.569 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(128, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 170, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.332, 280.569 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(128, 170, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 170,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.332, 280.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 170, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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