

Converting Colors

CIELCh(64, 47.253, 280.214)

Have a look what the booklet for
CIELCh(64, 47.253, 280.214)
contains.

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Color

CIELCh(64, 47.106, 280.031)

Conversions

Conversions Part 1

Format	Color
Hex	6E9BEE
RGB	110, 155, 238
RGB Percent	43%, 61%, 93%
CMY	0.5698, 0.3932, 0.0678
CMYK	0.54, 0.35, 0.00, 0.07
HSL	219°, 79%, 68%
HSV	219°, 54%, 93%
XYZ	33.4559, 32.8017, 85.2248
YIQ	151.0070, -53.4630, 16.2730

Conversions

Conversions Part 2

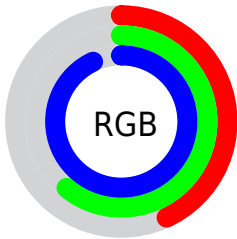
Format	Color
RYB	110, 143, 238
Decimal	7248878
CIELab	64.00, 8.20, -46.39
CIELCh	64, 47.106, 280.031
Yxy	32.8017, 0.2209, 0.2165
Android (android.graphics.Color)	4285438958 (0xFF6E9BEE)
YUV	151.0070, 42.8875, -35.9631
Hunter-Lab	57.2727, 4.0435, -48.1357

Details

The CIELCh color `64, 47.106, 280.031` is a light color, and the websafe version is hex `6699FF`. A complement of this color would be `80, 47.874, 82.331`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `82, 26.975, 264.171`, and `44, 47.525, 280.354` is the 20% darker color. If you saturate the color by 10%, you get `59, 56.345, 283.067`, and if you desaturate by 10%, it is `69, 38.062, 277.390`.

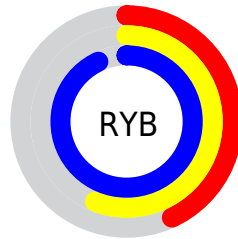
Distribution



Red (43%)

Green (61%)

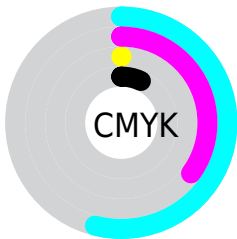
Blue (93%)



Red (43%)

Yellow (56%)

Blue (93%)

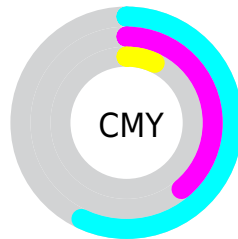


Cyan (54%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (57%)


Magenta (39%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 47.106, 280.031 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 64, 47.106, 280.031 by changing the saturation by 10% instead.


 64, 47.106,
280.031


 64, 47.106,
280.031


 100, 47.106,
280.031


 54, 47.106,
280.031


 84, 47.106,
280.031

 44, 47.106,
280.031

 94, 47.106,
280.031

 34, 47.106,
280.031

 24, 47.106,
280.031

 14, 47.106,
280.031

 4, 47.106, 280.031

 0, 47.106, 280.031

■ 64, 47.106,
280.031

■ 64, 47.106,
280.031

■ 59, 56.345,
283.067

■ 69, 38.062,
277.390

■ 54, 65.828,
286.472

■ 75, 29.174,
275.123

■ 49, 75.567,
290.153

■ 81, 20.418,
273.189

■ 44, 85.474,
293.930

■ 86, 11.781,
271.547

■ 42, 91.556,
296.142

■ 92, 3.260, 270.198

■ 97, 5.144, 88.837

■ 100, 8.758,
109.513

Harmonies

Complementary

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



64, 47.106, 280.031



80, 47.874, 82.331

Rectangle

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



64, 47.106, 280.031



64, 47.106, 330.031



64, 47.106, 100.031



64, 47.106, 150.031

Sweetspot

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



64, 47.105, 280.032



90, 14.427, 271.887



86, 47.974, 165.437



47, 9.753, 272.216



0, 0.000, 0.000



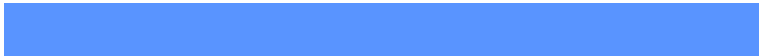
53, 0.007, 296.813

Same Dimension

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



64, 47.105, 280.032



62, 60.803, 283.521



54, 73.528, 301.549



47, 4.853, 270.914



32, 74.146, 295.520



7, 27.455, 288.934

Inverse Universe

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



63, 53.798, 359.783



62, 67.256, 2.580



91, 63.477, 111.397



47, 5.534, 353.308



39, 67.076, 16.277



8, 28.760, 6.952

Previews

White Background



This preview shows how the CIELCh color 64, 47.106, 280.031 looks on a white background.

Color Contrast Check

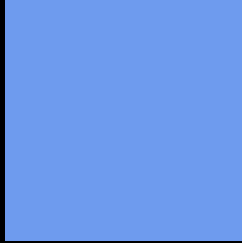
Large Text (above 18pt) WCAG AA × Fail

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 64, 47.106, 280.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

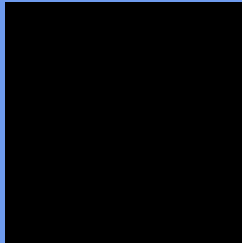
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

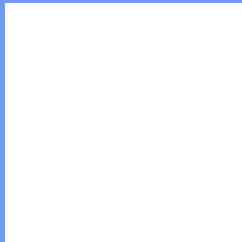
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 47.106, 280.031

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.106, 280.031.



This preview shows how white text looks on a background with the CIELCh color 64, 47.106, 280.031.

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


64, 47.106, 280.031

Protanopia

64, 46.514, 285.484

Deuteranopia

64, 47.538, 281.174



Tritanopia
64, 24.653, 216.214

Trichromacy



Original Color
64, 47.106, 280.031

Protanomaly
64, 46.720, 283.286

Deuteranomaly
64, 47.583, 280.900

Tritanomaly
64, 28.160, 249.470

Monochromacy



Original Color
64, 47.106, 280.031

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 18.036, 274.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.106, 280.031 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(110, 155, 238)` looks like.

```
.text, #text, p{  
    color:rgb(110, 155, 238)  
}
```

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(110, 155, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 155, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.106, 280.031 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(110, 155, 238) }
```

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

```
.border{ border-color:rgb(110, 155, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 155, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 155, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 155, 238);  
box-shadow:4px 4px 4px 4px rgb(110, 155,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.106, 280.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 155, 238) }
```

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

```
.background{ background-color: rgb(110,  
155, 238) }
```

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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