

Converting Colors

CIELCh(65, 49.799, 289.629)

Have a look what the booklet for
CIELCh(65, 49.799, 289.629)
contains.

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Color

CIELCh(65, 50.033, 289.686)

Conversions

Conversions Part 1

Format	Color
Hex	8798F2
RGB	135, 152, 242
RGB Percent	53%, 60%, 95%
CMY	0.4703, 0.4037, 0.0507
CMYK	0.44, 0.37, 0.00, 0.05
HSL	230°, 81%, 74%
HSV	230°, 44%, 95%
XYZ	37.2773, 34.0472, 88.6643
YIQ	157.1770, -39.0220, 24.3860

Conversions

Conversions Part 2

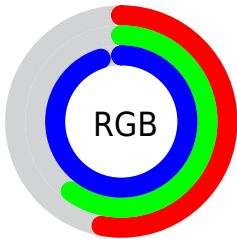
Format	Color
R _Y B	135, 150, 242
Decimal	8886514
CIE Lab	65.00, 16.85, -47.11
CIE LCh	65, 50.033, 289.686
Yxy	34.0472, 0.2330, 0.2128
Android (android.graphics.Color)	4287076594 (0xFF8798F2)
YUV	157.1770, 41.8177, -19.4492
Hunter-Lab	58.3500, 11.9236, -49.2478

Details

The CIELCh color `65, 50.033, 289.686` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `89, 46.397, 97.702`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 26.158, 282.480`, and `45, 50.075, 289.802` is the 20% darker color. If you saturate the color by 10%, you get `58, 62.501, 291.998`, and if you desaturate by 10%, it is `72, 38.022, 287.681`.

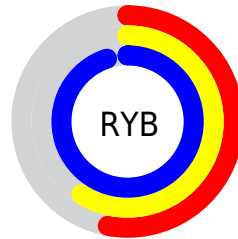
Distribution



Red (53%)

Green (60%)

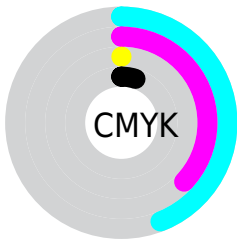
Blue (95%)



Red (53%)

Yellow (59%)

Blue (95%)

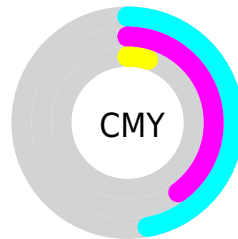


Cyan (44%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (47%)

Magenta (40%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 50.033, 289.686 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 65, 50.033, 289.686 by changing the saturation by 10% instead.

■ 65, 50.033,
289.686

■ 65, 50.033,
289.686

■ 100, 50.033,
289.686

■ 55, 50.033,
289.686

■ 85, 50.033,
289.686

■ 45, 50.033,
289.686

■ 95, 50.033,
289.686

■ 35, 50.033,
289.686

■ 25, 50.033,
289.686

■ 15, 50.033,
289.686

■ 5, 50.033, 289.686

■ 0, 50.033, 289.686

■ 65, 50.033,
289.686

■ 65, 50.033,
289.686

■ 58, 62.501,
291.998

■ 72, 38.022,
287.681

■ 52, 75.402,
294.599

■ 79, 26.445,
285.964

■ 46, 88.559,
297.404

■ 86, 15.266,
284.501

■ 40, 101.459,
300.231

■ 93, 4.452, 283.274

■ 36, 113.071,
302.800

■ 99, 5.989, 105.882

■ 100, 6.545,
109.677

■ 34, 118.676,
304.017

Harmonies

Complementary

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



65, 50.033, 289.686



89, 46.397, 97.702

Rectangle

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



65, 50.033, 289.686



65, 50.033, 339.686



65, 50.033, 109.686



65, 50.033, 159.686

Sweetspot

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



65, 50.032, 289.686



91, 14.550, 284.346



89, 35.147, 181.697



47, 10.217, 284.643



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 50.032, 289.686



62, 63.624, 291.740



64, 60.700, 306.120



46, 6.015, 283.890



25, 95.230, 303.645



4, 33.661, 295.737

Inverse Universe

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



68, 43.491, 12.191



67, 55.004, 14.189



91, 55.406, 120.623



47, 5.093, 7.238



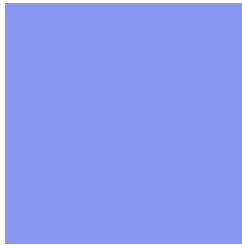
38, 74.602, 32.347



8, 29.129, 17.318

Previews

White Background



This preview shows how the CIE LCh color 65, 50.033, 289.686 looks on a white background.

Color Contrast Check

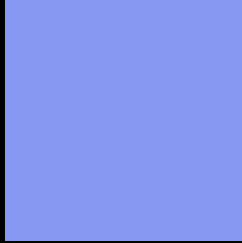
Large Text (above 18pt) WCAG AA × Fail

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 65, 50.033, 289.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

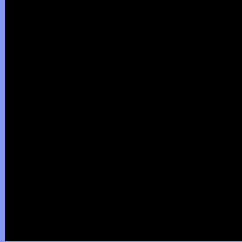
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 50.033, 289.686

Background



This preview shows how black text looks on a background with the CIELCh color 65, 50.033, 289.686.



This preview shows how white text looks on a background with the CIELCh color 65, 50.033, 289.686.

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

65, 50.033, 289.686

Protanopia

65, 50.233, 286.087

Deuteranopia

65, 47.352, 281.282



Tritanopia
65, 17.111, 223.389

Trichromacy



Original Color
65, 50.033, 289.686

Protanomaly
65, 50.142, 287.563

Deuteranomaly
65, 48.144, 284.420

Tritanomaly
65, 25.035, 265.391

Monochromacy



Original Color
65, 50.033, 289.686

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 18.449, 285.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 50.033, 289.686 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(135, 152, 242)` looks like.

```
.text, #text, p{  
    color:rgb(135, 152, 242)  
}
```

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(135, 152, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 152, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 50.033, 289.686 is called "border". The border property can be set on classes, ids or directly on the HTML element.

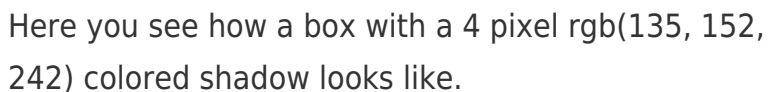
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 152, 242) }
```

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

```
.border{ border-color:rgb(135, 152, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 152, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 152, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 152, 242); box-shadow:4px 4px 4px 4px rgb(135, 152, 242) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 50.033, 289.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 152, 242) }
```

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

```
.background{ background-color: rgb(135,  
152, 242) }
```

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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