Converting Colors

CIELCh(66, 49.947, 283.196)

Have a look what the booklet for CIELCh(66, 49.947, 283.196) contains.

Color

CIELCh(66, 50.338, 283.429)

Conversions

Conversions Part 1

Format	Color
Hex	789EF8
RGB	120, 158, 248
RGB Percent	47%, 62%, 97%
CMY	0.5285, 0.3796, 0.0266
CMYK	0.52, 0.36, 0.00, 0.03
HSL	222°, 90%, 72%
HSV	222°, 52%, 97%
XYZ	37.0171, 35.3238, 93.8571
YIQ	156.8980, -51.5380, 19.9340

Conversions

Conversions Part 2

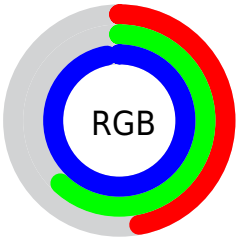
Format	Color
RYB	120, 149, 248
Decimal	7905016
CIELab	66.00, 11.69, -48.96
CIELCh	66, 50.338, 283.429
Yxy	35.3238, 0.2227, 0.2125
Android (android.graphics.Color)	4286095096 (0xFF789EF8)
YUV	156.8980, 44.9133, -32.3595
Hunter-Lab	59.4338, 7.1657, -52.0262

Details

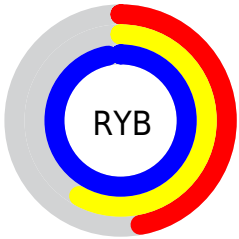
The CIELCh color 66, 50.338, 283.429 is a light color, and the websafe version is hex 6699FF. A complement of this color would be 86, 49.231, 87.168, and the grayscale version is 65, 0.008, 296.813.

A 20% lighter version of the original color is 84, 24.595, 267.003, and 46, 50.376, 283.422 is the 20% darker color. If you saturate the color by 10%, you get 60, 60.868, 286.266, and if you desaturate by 10%, it is 72, 40.101, 280.960.

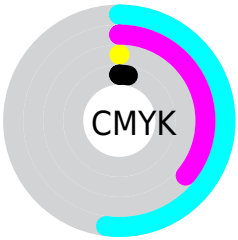
Distribution



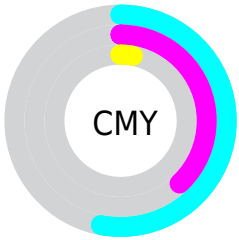
- Red (47%)
- Green (62%)
- Blue (97%)



- Red (47%)
- Yellow (58%)
- Blue (97%)



- Cyan (52%)
- Magenta (36%)
- Yellow (0%)
- Black (3%)



- Cyan (53%)
- Magenta (38%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 50.338, 283.429 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 66, 50.338, 283.429 by changing the saturation by 10% instead.

66, 50.338, 283.429

100, 50.338, 283.429

86, 50.338, 283.429

96, 50.338, 283.429

66, 50.338, 283.429

56, 50.338, 283.429

46, 50.338, 283.429

36, 50.338, 283.429

26, 50.338, 283.429

16, 50.338, 283.429

6, 50.338, 283.429

0, 50.338, 283.429

66, 50.338, 283.429

60, 60.868, 286.266

54, 71.720, 289.444

49, 82.855, 292.871

44, 94.066, 296.365

41, 103.254, 299.134

66, 50.338, 283.429

72, 40.101, 280.960

78, 30.121, 278.838

84, 20.365, 277.026

91, 10.814, 275.486

97, 1.456, 274.308

100, 3.424, 109.900

Harmonies

Complementary

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

66, 50.338, 283.429

86, 49.231, 87.168

Rectangle

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

66, 50.338, 283.429

66, 50.338, 333.429

66, 50.338, 103.429

66, 50.338, 153.429

Sweetspot

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

66, 50.337, 283.430

91, 14.386, 275.990

90, 45.184, 170.270

47, 9.835, 276.312

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

66, 50.337, 283.430

61, 62.696, 286.425

58, 72.682, 302.998

49, 5.335, 275.200

31, 82.612, 298.568

7, 32.270, 293.234

Inverse Universe

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

66, 52.742, 3.364

63, 64.107, 5.985

94, 63.725, 114.557

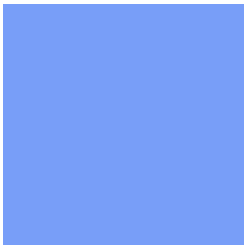
49, 5.563, 357.043

40, 70.072, 21.504

9, 30.582, 12.251

Previews

White Background

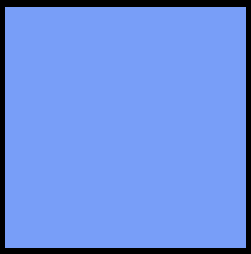


This preview shows how the CIELCh color 66, 50.338, 283.429 looks on a white background.

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



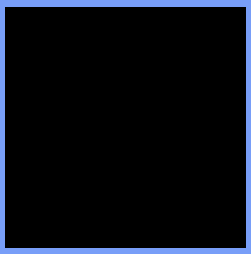
This preview shows how the CIELCh color 66, 50.338, 283.429 looks on a black background.

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 66, 50.338, 283.429 Background



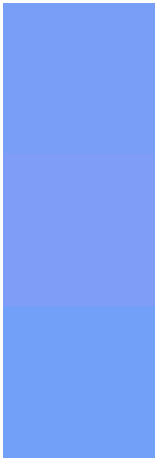
This preview shows how black text looks on a background with the CIELCh color 66, 50.338, 283.429.

This preview shows how white text looks on a background with the CIELCh color 66, 50.338, 283.429.

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



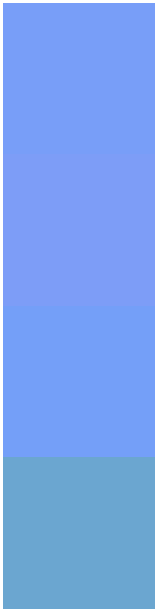
Original Color
66, 50.338, 283.429

Protanopia
66, 50.107, 285.668

Deuteranopia
66, 49.523, 280.769

Tritanopia
66, 23.551, 217.115

Trichromacy



Original Color
66, 50.338, 283.429

Protanomaly
66, 50.173, 285.108

Deuteranomaly
66, 49.963, 281.841

Tritanomaly
66, 28.401, 254.233

Monochromacy

Original Color
66, 50.338, 283.429

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 18.759, 278.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 50.338, 283.429 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(120, 158, 248) looks like.

```
.text, #text, p{
    color:rgb(120, 158, 248)
}
```

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(120, 158, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 158, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 50.338, 283.429 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(120, 158, 248) }
```

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

```
.border{ border-color:rgb(120, 158, 248) }
```

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

Here you see how a box with a 4 pixel rgb(120, 158, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 158, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 158, 248); box-shadow:4px 4px 4px 4px rgb(120, 158, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 50.338, 283.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(120, 158, 248) }
```

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

```
.background{ background-color:rgb(120,
158, 248) }
```

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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