

Converting Colors

CIELCh(66, 36.568, 280.030)

Have a look what the booklet for
CIELCh(66, 36.568, 280.030)
contains.

CIELCh(66, 36.649, 280.122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 36.649, 280.122)

Conversions

Conversions Part 1

Format	Color
Hex	83A0E1
RGB	131, 160, 225
RGB Percent	51%, 63%, 88%
CMY	0.4869, 0.3732, 0.1183
CMYK	0.42, 0.29, 0.00, 0.12
HSL	221°, 61%, 70%
HSV	221°, 42%, 88%
XYZ	35.4433, 35.3238, 76.0600
YIQ	158.7390, -38.1490, 14.0670

Conversions

Conversions Part 2

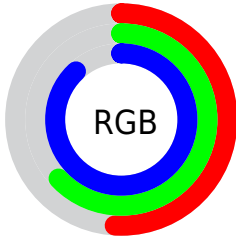
Format	Color
RYB	131, 153, 225
Decimal	8626401
CIELab	66.00, 6.44, -36.08
CIElCh	66, 36.649, 280.122
Yxy	35.3238, 0.2414, 0.2406
Android (android.graphics.Color)	4286816481 (0xFF83A0E1)
YUV	158.7390, 32.6667, -24.3271
Hunter-Lab	59.4338, 2.4392, -34.2722

Details

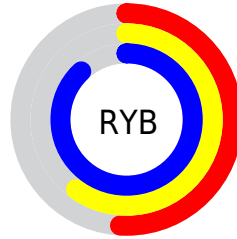
The CIELCh color `66, 36.649, 280.122` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `80, 36.410, 87.627`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 22.571, 268.514`, and `46, 36.319, 279.784` is the 20% darker color. If you saturate the color by 10%, you get `60, 45.910, 282.598`, and if you desaturate by 10%, it is `72, 27.601, 277.994`.

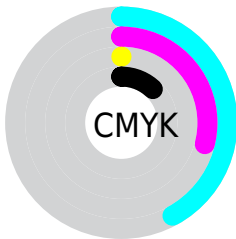
Distribution



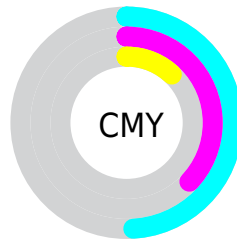
- Red (51%)
- Green (63%)
- Blue (88%)



- Red (51%)
- Yellow (60%)
- Blue (88%)



- Cyan (42%)
- Magenta (29%)
- Yellow (0%)
- Black (12%)





- Cyan (49%)
- Magenta (37%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.649, 280.122 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, 36.649, 280.122 by changing the saturation by 10% instead.


 66, 36.649,
280.122


 66, 36.649,
280.122


 100, 36.649,
280.122


 56, 36.649,
280.122


 86, 36.649,
280.122

 46, 36.649,
280.122

 96, 36.649,
280.122

 36, 36.649,
280.122

 26, 36.649,
280.122

 16, 36.649,
280.122

 6, 36.649, 280.122

 0, 36.649, 280.122

■ 66, 36.649,
280.122

■ 66, 36.649,
280.122

■ 60, 45.910,
282.598

■ 72, 27.601,
277.994

■ 55, 55.423,
285.442

■ 77, 18.743,
276.177

■ 50, 65.219,
288.634

■ 83, 10.056,
274.630

■ 45, 75.277,
292.085

■ 88, 1.533, 273.430

■ 41, 85.446,
295.624

■ 94, 6.832, 92.084

■ 37, 93.622,
298.364

■ 99, 14.340,
106.327

■ 99, 15.265,
109.024

Harmonies

Complementary

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



66, 36.649, 280.122



80, 36.410, 87.627

Rectangle

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



66, 36.649, 280.122



66, 36.649, 330.122



66, 36.649, 100.122



66, 36.649, 150.122

Sweetspot

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



66, 36.648, 280.122



92, 12.277, 274.815



83, 35.248, 170.430



48, 8.608, 275.144



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, 36.648, 280.122



69, 48.993, 282.215



60, 53.460, 301.277



44, 4.819, 274.302



29, 76.657, 297.797



5, 24.731, 287.662

Inverse Universe

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



66, 39.559, 0.530



69, 52.437, 2.162



86, 48.298, 114.423



44, 5.122, 356.206



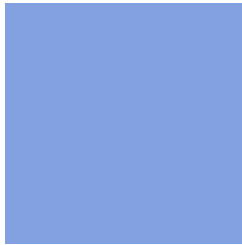
37, 66.044, 20.108



6, 25.375, 7.231

Previews

White Background



This preview shows how the CIELCh color 66, 36.649, 280.122 looks on a white background.

Color Contrast Check

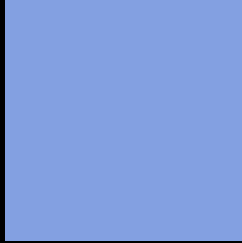
Large Text (above 18pt) WCAG AA × Fail

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 66, 36.649, 280.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

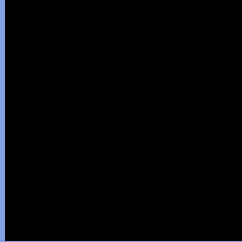
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 36.649, 280.122

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.649, 280.122.



This preview shows how white text looks on a background with the CIELCh color 66, 36.649, 280.122.

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, 36.649, 280.122

Protanopia

66, 36.230, 285.056

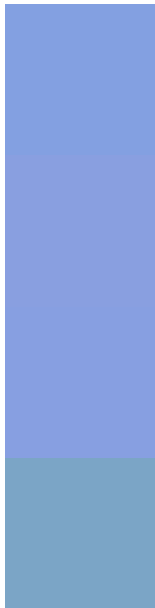
Deuteranopia

66, 37.420, 284.152



Tritanopia
66, 17.796, 224.245

Trichromacy



Original Color
66, 36.649, 280.122

Protanomaly
66, 36.347, 283.210

Deuteranomaly
66, 36.970, 282.578

Tritanomaly
66, 22.206, 254.698

Monochromacy



Original Color
66, 36.649, 280.122

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 13.693, 276.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.649, 280.122 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(131, 160, 225)` looks like.

```
.text, #text, p{  
    color:rgb(131, 160, 225)  
}
```

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(131, 160, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 160, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.649, 280.122 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(131, 160, 225) }
```

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

```
.border{ border-color:rgb(131, 160, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 160, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 160, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 160, 225);  
box-shadow:4px 4px 4px 4px rgb(131, 160,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.649, 280.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 160, 225) }
```

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

```
.background{ background-color: rgb(131,  
160, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor