

Converting Colors

CIELCh(66, 32.682, 271.780)

Have a look what the booklet for
CIELCh(66, 32.682, 271.780)
contains.

CIELCh(66, 32.682, 271.780)	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, 32.682, 271.780)

Conversions

Conversions Part 1

Format	Color
Hex	7BA3DB
RGB	123, 163, 219
RGB Percent	48%, 64%, 86%
CMY	0.5193, 0.3624, 0.1429
CMYK	0.44, 0.26, 0.00, 0.14
HSL	215°, 57%, 67%
HSV	215°, 44%, 86%
XYZ	33.8643, 35.3238, 71.7561
YIQ	157.4240, -41.8160, 8.9360

Conversions

Conversions Part 2

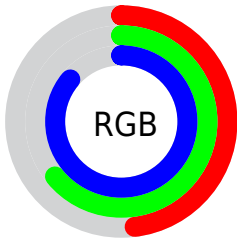
Format	Color
RYB	123, 151, 219
Decimal	8102875
CIELab	66.00, 1.02, -32.67
CIElCh	66, 32.682, 271.780
Yxy	35.3238, 0.2403, 0.2506
Android (android.graphics.Color)	4286292955 (0xFF7BA3DB)
YUV	157.4240, 30.3570, -30.1898
Hunter-Lab	59.4338, -2.3031, -29.9787

Details

The CIELCh color **66, 32.682, 271.780** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **75, 34.761, 78.002**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 22.619, 258.675**, and **46, 32.562, 271.587** is the 20% darker color. If you saturate the color by 10%, you get **61, 40.182, 274.503**, and if you desaturate by 10%, it is **71, 25.208, 269.456**.

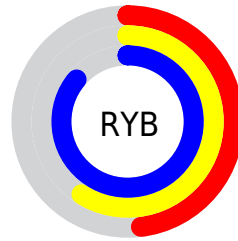
Distribution



Red (48%)

Green (64%)

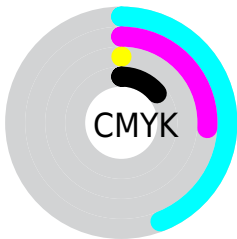
Blue (86%)



Red (48%)

Yellow (59%)

Blue (86%)

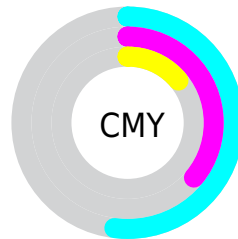


Cyan (44%)

Magenta (26%)

Yellow (0%)

Black (14%)



Cyan (52%)

Magenta (36%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 32.682, 271.780 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, 32.682, 271.780 by changing the saturation by 10% instead.

■ 66, 32.682,
271.780

■ 66, 32.682,
271.780

■ 100, 32.682,
271.780

■ 56, 32.682,
271.780

■ 86, 32.682,
271.780

■ 46, 32.682,
271.780

■ 96, 32.682,
271.780

■ 36, 32.682,
271.780

■ 26, 32.682,
271.780

■ 16, 32.682,
271.780

■ 6, 32.682, 271.780

■ 0, 32.682, 271.780

■ 66, 32.682,
271.780

■ 66, 32.682,
271.780

■ 61, 40.182,
274.503

■ 71, 25.208,
269.456

■ 57, 47.744,
277.655

■ 76, 17.752,
267.483

■ 52, 55.421,
281.227

■ 80, 10.313,
265.816

■ 48, 63.275,
285.145

■ 85, 2.901, 264.464

■ 44, 71.337,
289.250

■ 90, 4.472, 83.053

■ 42, 76.338,
291.671

■ 95, 11.792, 82.040

■ 98, 16.886,
104.910

■ 99, 18.418,
108.784

Harmonies

Complementary

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



66, 32.682, 271.780



75, 34.761, 78.002

Rectangle

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



66, 32.682, 271.780



66, 32.682, 321.780



66, 32.682, 91.780



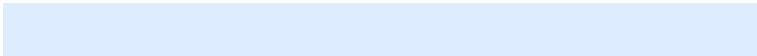
66, 32.682, 141.780

Sweetspot

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



66, 32.681, 271.780



93, 10.916, 265.695



81, 39.657, 162.818



48, 7.641, 266.036



0, 0.000, 0.000



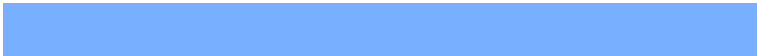
53, 0.007, 296.813

Same Dimension

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



66, 32.681, 271.780



71, 44.758, 274.370



56, 54.972, 298.145



44, 4.216, 265.161



33, 63.166, 290.998



6, 20.452, 280.686

Inverse Universe

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



63, 42.321, 353.398



68, 57.347, 355.049



85, 48.968, 109.044



43, 5.344, 349.183



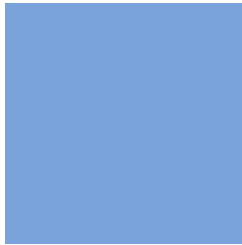
37, 63.337, 9.769



6, 24.396, 0.136

Previews

White Background



This preview shows how the CIELCh color 66, 32.682, 271.780 looks on a white background.

Color Contrast Check

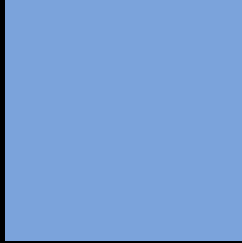
Large Text (above 18pt) WCAG AA × Fail

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, 32.682, 271.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

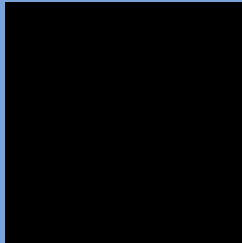
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

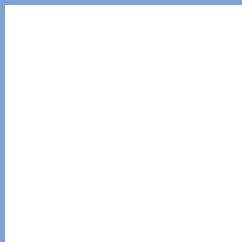
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 32.682, 271.780

Background



This preview shows how black text looks on a background with the CIELCh color 66, 32.682, 271.780.



This preview shows how white text looks on a background with the CIELCh color 66, 32.682, 271.780.

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, 32.682, 271.780

Protanopia

66, 31.758, 285.357

Deuteranopia

66, 34.573, 284.888



Tritanopia
66, 19.614, 221.529

Trichromacy



Original Color
66, 32.682, 271.780

Protanomaly
66, 31.616, 279.661

Deuteranomaly
66, 33.317, 279.631

Tritanomaly
66, 22.250, 245.093

Monochromacy



Original Color
66, 32.682, 271.780

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 12.177, 265.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 32.682, 271.780 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(123, 163, 219)` looks like.

```
.text, #text, p{  
    color:rgb(123, 163, 219)  
}
```

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(123, 163, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 163, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 32.682, 271.780 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(123, 163, 219) }
```

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

```
.border{ border-color:rgb(123, 163, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 163, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 163, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 163, 219);  
box-shadow:4px 4px 4px 4px rgb(123, 163,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 32.682, 271.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 163, 219) }
```

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

```
.background{ background-color: rgb(123,  
163, 219) }
```

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