

Converting Colors

CIELCh(68, 32.046, 271.076)

Have a look what the booklet for
CIELCh(68, 32.046, 271.076)
contains.

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Color

CIELCh(68, 32.046, 271.076)

Conversions

Conversions Part 1

Format	Color
Hex	80A8DF
RGB	128, 168, 223
RGB Percent	50%, 66%, 87%
CMY	0.4976, 0.3408, 0.1251
CMYK	0.43, 0.25, 0.00, 0.13
HSL	215°, 60%, 69%
HSV	215°, 43%, 87%
XYZ	36.2715, 37.9720, 75.3039
YIQ	162.3100, -41.4950, 8.6250

Conversions

Conversions Part 2

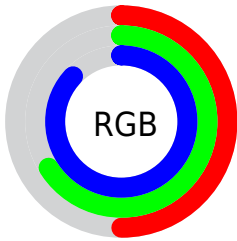
Format	Color
RYB	128, 156, 223
Decimal	8431839
CIELab	68.00, 0.60, -32.04
CIElCh	68, 32.046, 271.076
Yxy	37.9720, 0.2425, 0.2539
Android (android.graphics.Color)	4286621919 (0xFF80A8DF)
YUV	162.3100, 29.9202, -30.0899
Hunter-Lab	61.6215, -2.7691, -29.3197

Details

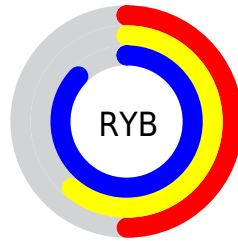
The CIELCh color `68, 32.046, 271.076` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `77, 34.126, 77.796`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `87, 20.501, 254.055`, and `48, 32.354, 271.584` is the 20% darker color. If you saturate the color by 10%, you get `63, 39.609, 273.754`, and if you desaturate by 10%, it is `73, 24.499, 268.794`.

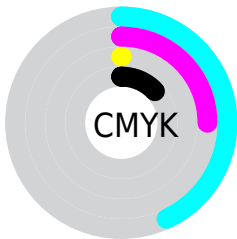
Distribution



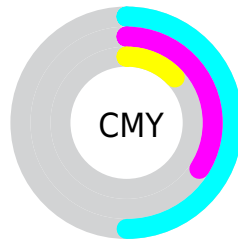
- Red (50%)
- Green (66%)
- Blue (87%)



- Red (50%)
- Yellow (61%)
- Blue (87%)



- Cyan (43%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 32.046, 271.076 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 68, 32.046, 271.076 by changing the saturation by 10% instead.

■ 68, 32.046,
271.076

■ 68, 32.046,
271.076

■ 100, 32.046,
271.076

■ 58, 32.046,
271.076

■ 88, 32.046,
271.076

■ 48, 32.046,
271.076

■ 98, 32.046,
271.076

■ 38, 32.046,
271.076

■ 28, 32.046,
271.076

■ 18, 32.046,
271.076

■ 8, 32.046, 271.076

■ 0, 32.046, 271.076

68, 32.046,
271.076

68, 32.046,
271.076

63, 39.609,
273.754

73, 24.499,
268.794

59, 47.222,
276.862

78, 16.962,
266.859

54, 54.935,
280.400

83, 9.439, 265.227

50, 62.816,
284.302

88, 1.939, 263.958

93, 5.523, 82.523

46, 70.905,
288.422

97, 11.953, 92.543

43, 77.039,
291.418

99, 16.133,
108.958

Harmonies

Complementary

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



68, 32.046, 271.076



77, 34.126, 77.796

Rectangle

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



68, 32.046, 271.076



68, 32.046, 321.076



68, 32.046, 91.076



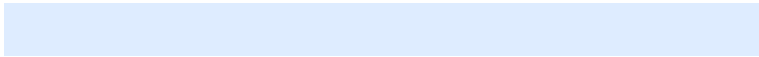
68, 32.046, 141.076

Sweetspot

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



68, 32.045, 271.076



93, 10.870, 265.304



82, 39.190, 162.985



48, 7.609, 265.646



0, 0.000, 0.000



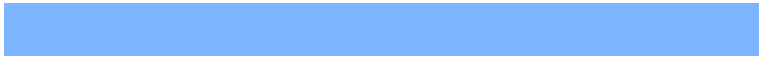
53, 0.007, 296.813

Same Dimension

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



68, 32.045, 271.076



72, 42.810, 273.410



58, 54.056, 297.937



44, 4.279, 264.774



34, 63.443, 290.735



7, 21.483, 281.517

Inverse Universe

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



65, 41.824, 352.928



69, 55.433, 354.393



87, 48.361, 109.147



44, 5.460, 348.935



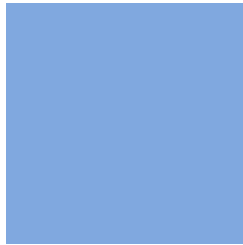
37, 64.002, 9.430



6, 25.805, 0.348

Previews

White Background



This preview shows how the CIELCh color 68, 32.046, 271.076 looks on a white background.

Color Contrast Check

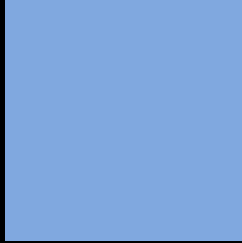
Large Text (above 18pt) WCAG AA × Fail

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 68, 32.046, 271.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

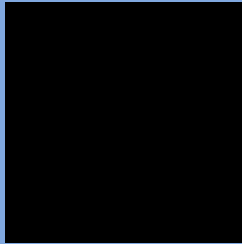
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

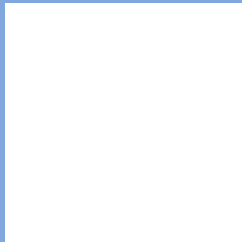
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 32.046, 271.076

Background



This preview shows how black text looks on a background with the CIELCh color 68, 32.046, 271.076.



This preview shows how white text looks on a background with the CIELCh color 68, 32.046, 271.076.

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

68, 32.046, 271.076

Protanopia

68, 31.012, 285.576

Deuteranopia

68, 33.779, 285.532



Tritanopia
68, 19.334, 221.791

Trichromacy



Original Color
68, 32.046, 271.076

Protanomaly
68, 30.869, 279.701

Deuteranomaly
68, 33.035, 280.440

Tritanomaly
68, 22.012, 245.428

Monochromacy



Original Color
68, 32.046, 271.076

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 11.978, 266.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 32.046, 271.076 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(128, 168, 223)` looks like.

```
.text, #text, p{  
    color:rgb(128, 168, 223)  
}
```

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(128, 168, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 168, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 32.046, 271.076 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(128, 168, 223) }
```

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

```
.border{ border-color:rgb(128, 168, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 168, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 168, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 168, 223);  
box-shadow:4px 4px 4px 4px rgb(128, 168,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 32.046, 271.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 168, 223) }
```

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

```
.background{ background-color: rgb(128,  
168, 223) }
```

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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