

Converting Colors

CIELCh(80, 18.456, 268.933)

Have a look what the booklet for
CIELCh(80, 18.456, 268.933)
contains.

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Color

CIELCh(80, 18.324, 268.263)

Conversions

Conversions Part 1

Format	Color
Hex	B2C8E8
RGB	178, 200, 232
RGB Percent	70%, 78%, 91%
CMY	0.3015, 0.2152, 0.0897
CMYK	0.23, 0.14, 0.00, 0.09
HSL	216°, 54%, 80%
HSV	216°, 23%, 91%
XYZ	53.6572, 56.6813, 84.5550
YIQ	197.0700, -23.3840, 5.2880

Conversions

Conversions Part 2

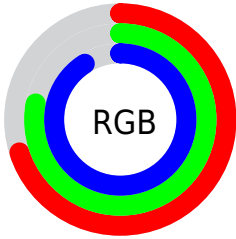
Format	Color
R_{YB}	178, 194, 232
Decimal	11716840
CIE Lab	80.00, -0.56, -18.32
CIE LCh	80, 18.324, 268.263
Yxy	56.6813, 0.2753, 0.2908
Android (android.graphics.Color)	4289906920 (0xFFB2C8E8)
YUV	197.0700, 17.2205, -16.7244
Hunter-Lab	75.2870, -4.5348, -13.8879

Details

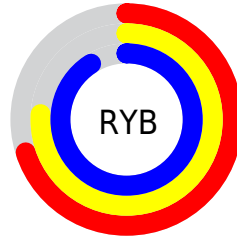
The CIELCh color **80, 18.324, 268.263** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **85, 18.850, 81.697**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 7.186, 199.043**, and **60, 18.270, 267.885** is the 20% darker color. If you saturate the color by 10%, you get **75, 26.257, 270.216**, and if you desaturate by 10%, it is **85, 10.422, 266.606**.

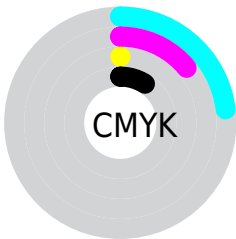
Distribution



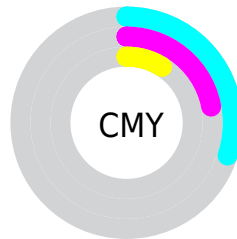
- Red (70%)
- Green (78%)
- Blue (91%)



- Red (70%)
- Yellow (76%)
- Blue (91%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)





- Cyan (30%)
- Magenta (22%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 18.324, 268.263 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 80, 18.324, 268.263 by changing the saturation by 10% instead.


 80, 18.324,
268.263


 80, 18.324,
268.263

 100, 18.324,
268.263


 70, 18.324,
268.263


 60, 18.324,
268.263

 50, 18.324,
268.263

 40, 18.324,
268.263

 30, 18.324,
268.263

 20, 18.324,
268.263

 10, 18.324,

268.263

■ 0, 18.324, 268.263

■ 80, 18.324,
268.263

■ 80, 18.324,
268.263

■ 75, 26.257,
270.216

■ 85, 10.422,
266.606

■ 70, 34.223,
272.520

■ 90, 2.564, 265.281

■ 65, 42.237,
275.220

■ 96, 5.242, 83.870

■ 60, 50.333,
278.345

■ 99, 11.574,
109.302

■ 55, 58.566,
281.886

■ 51, 66.997,
285.771

■ 47, 75.647,
289.839

■ 44, 81.575,
292.503

Harmonies

Complementary

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



80, 18.324, 268.263



85, 18.850, 81.697

Rectangle

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



80, 18.324, 268.263



80, 18.324, 318.263



80, 18.324, 88.263



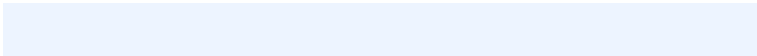
80, 18.324, 138.263

Sweetspot

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



80, 18.323, 268.259



96, 5.929, 265.722



88, 22.374, 166.216



51, 3.853, 265.802



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 18.323, 268.259



84, 23.824, 269.174



75, 29.315, 295.779



46, 4.498, 266.053



34, 66.577, 291.828



7, 24.135, 284.481

Inverse Universe

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



78, 23.234, 351.244



82, 30.319, 351.827



91, 27.766, 111.492



46, 5.617, 349.768



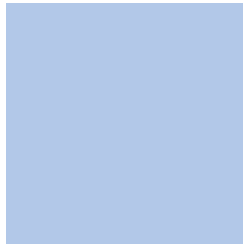
38, 65.492, 10.866



7, 27.988, 2.323

Previews

White Background



This preview shows how the CIELCh color 80, 18.324, 268.263 looks on a white background.

Color Contrast Check

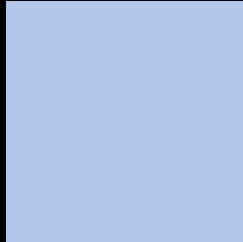
Large Text (above 18pt) WCAG AA × Fail

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 80, 18.324, 268.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

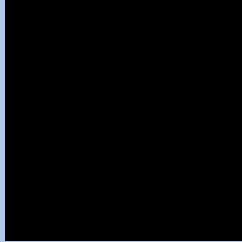
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

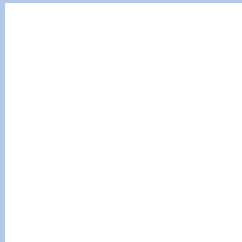
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 18.324, 268.263

Background



This preview shows how black text looks on a background with the CIELCh color 80, 18.324, 268.263.



This preview shows how white text looks on a background with the CIELCh color 80, 18.324, 268.263.

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

80, 18.324, 268.263

Protanopia

80, 18.158, 287.510

Deuteranopia

80, 22.072, 298.275



Tritanopia
80, 12.693, 244.689

Trichromacy



Original Color
80, 18.324, 268.263

Protanomaly
80, 17.875, 279.806

Deuteranomaly
80, 19.750, 288.019

Tritanomaly
80, 14.644, 256.214

Monochromacy



Original Color
80, 18.324, 268.263

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 6.945, 266.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 18.324, 268.263 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(178, 200, 232)` looks like.

```
.text, #text, p{  
    color:rgb(178, 200, 232)  
}
```

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(178, 200, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 200, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 18.324, 268.263 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(178, 200, 232) }
```

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

```
.border{ border-color:rgb(178, 200, 232) }
```

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

Here you see how a box with a 4 pixel rgb(178, 200, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 200, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 200, 232);  
box-shadow:4px 4px 4px 4px rgb(178, 200,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 18.324, 268.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 200, 232) }
```

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

```
.background{ background-color: rgb(178,  
200, 232) }
```

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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