

Converting Colors

CIELCh(80, 20.765, 287.259)

Have a look what the booklet for
CIELCh(80, 20.765, 287.259)
contains.

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Color

CIELCh(80, 20.829, 287.414)

Conversions

Conversions Part 1

Format	Color
Hex	BFC4EB
RGB	191, 196, 235
RGB Percent	75%, 77%, 92%
CMY	0.2502, 0.2306, 0.0776
CMYK	0.19, 0.17, 0.00, 0.08
HSL	233°, 53%, 84%
HSV	233°, 19%, 92%
XYZ	56.3455, 56.6813, 86.7242
YIQ	198.9510, -15.4990, 11.0690

Conversions

Conversions Part 2

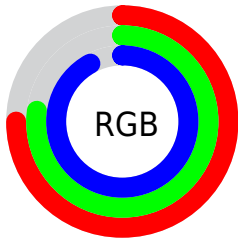
Format	Color
RYB	191, 195, 235
Decimal	12567787
CIELab	80.00, 6.23, -19.87
CIELCh	80, 20.829, 287.414
Yxy	56.6813, 0.2821, 0.2838
Android (android.graphics.Color)	4290757867 (0xFFBFC4EB)
YUV	198.9510, 17.7722, -6.9730
Hunter-Lab	75.2870, 1.8388, -15.5961

Details

The CIELCh color `80, 20.829, 287.414` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 20.169, 103.124`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 2.000, 230.270`, and `60, 20.956, 287.784` is the 20% darker color. If you saturate the color by 10%, you get `73, 32.549, 288.934`, and if you desaturate by 10%, it is `87, 9.531, 286.121`.

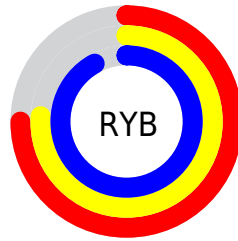
Distribution



Red (75%)

Green (77%)

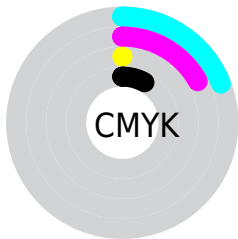
Blue (92%)



Red (75%)

Yellow (76%)

Blue (92%)

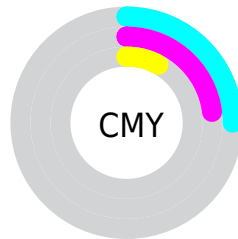


Cyan (19%)

Magenta (17%)

Yellow (0%)

Black (8%)



Cyan (25%)

Magenta (23%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 20.829, 287.414 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, 20.829, 287.414 by changing the saturation by 10% instead.

■ 80, 20.829,
287.414

■ 80, 20.829,
287.414

■ 100, 20.829,
287.414

■ 70, 20.829,
287.414

■ 60, 20.829,
287.414

■ 50, 20.829,
287.414

■ 40, 20.829,
287.414

■ 30, 20.829,
287.414

■ 20, 20.829,
287.414

■ 10, 20.829,

287.414

0, 20.829, 287.414

80, 20.829,
287.414

80, 20.829,
287.414

73, 32.549,
288.934

87, 9.531, 286.121

66, 44.731,
290.719

94, 1.376, 104.907

100, 10.019,
109.419

59, 57.402,
292.789

52, 70.545,
295.143

46, 84.012,
297.721

■ 40, 97.344,
300.371

■ 35, 109.532,
302.833

■ 32, 119.029,
304.770

■ 31, 119.992,
304.955

Harmonies

Complementary

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



80, 20.829, 287.414



91, 20.169, 103.124

Rectangle

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



80, 20.829, 287.414



80, 20.829, 337.414



80, 20.829, 107.414



80, 20.829, 157.414

Sweetspot

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



80, 20.827, 287.412



96, 6.981, 285.812



90, 15.300, 188.326



50, 4.635, 285.886



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, 20.827, 287.412



84, 26.308, 287.900



80, 24.284, 305.921



45, 6.211, 286.210



23, 97.657, 304.672



4, 32.921, 295.554

Inverse Universe

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



81, 16.825, 11.770



85, 21.345, 12.168



91, 23.516, 123.935



46, 4.950, 10.786



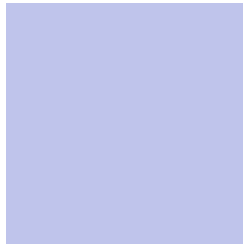
38, 75.985, 35.049



7, 28.111, 18.061

Previews

White Background



This preview shows how the CIELCh color 80, 20.829, 287.414 looks on a white background.

Color Contrast Check

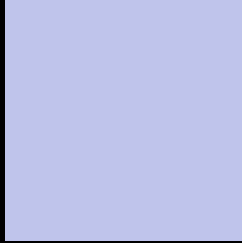
Large Text (above 18pt) WCAG AA × Fail

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, 20.829, 287.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

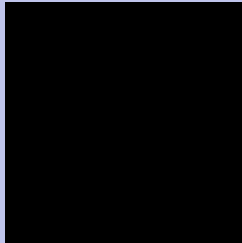
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 20.829, 287.414

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.829, 287.414.



This preview shows how white text looks on a background with the CIELCh color 80, 20.829, 287.414.

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, 20.829, 287.414

Protanopia

80, 20.851, 286.506

Deuteranopia

80, 22.513, 296.442



Tritanopia
80, 8.933, 262.944

Trichromacy



Original Color
80, 20.829, 287.414

Protanomaly
80, 20.851, 286.506

Deuteranomaly
80, 21.883, 292.986

Tritanomaly
80, 12.645, 275.487

Monochromacy



Original Color
80, 20.829, 287.414

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.483, 285.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 20.829, 287.414 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(191, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(191, 196, 235)  
}
```

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(191, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 196, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.829, 287.414 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(191, 196, 235) }
```

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

```
.border{ border-color:rgb(191, 196, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 196, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(191, 196,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.829, 287.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 196, 235) }
```

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

```
.background{ background-color: rgb(191,  
196, 235) }
```

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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