

Converting Colors

CIELCh(80, 21.112, 289.038)

Have a look what the booklet for
CIELCh(80, 21.112, 289.038)
contains.

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Color

CIELCh(80, 20.811, 288.327)

Conversions

Conversions Part 1

Format	Color
Hex	C0C4EB
RGB	192, 196, 235
RGB Percent	75%, 77%, 92%
CMY	0.2471, 0.2314, 0.0784
CMYK	0.18, 0.17, 0.00, 0.08
HSL	234°, 52%, 84%
HSV	234°, 18%, 92%
XYZ	56.4704, 56.6813, 86.5574
YIQ	199.2500, -14.9030, 11.2810

Conversions

Conversions Part 2

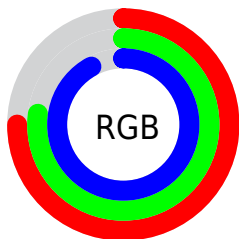
Format	Color
R _{YB}	192, 196, 235
Decimal	12633323
CIE Lab	80.00, 6.54, -19.76
CIE LCh	80, 20.811, 288.327
Yxy	56.6813, 0.2828, 0.2838
Android (android.graphics.Color)	4290823403 (0xFFC0C4EB)
YUV	199.2500, 17.6248, -6.3582
Hunter-Lab	75.2870, 2.1351, -15.4648

Details

The CIELCh color `80, 20.811, 288.327` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 20.122, 104.210`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 1.714, 236.231`, and `60, 20.938, 288.717` is the 20% darker color. If you saturate the color by 10%, you get `73, 32.795, 289.817`, and if you desaturate by 10%, it is `87, 9.271, 287.061`.

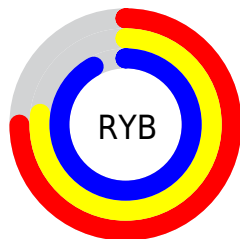
Distribution



Red (75%)

Green (77%)

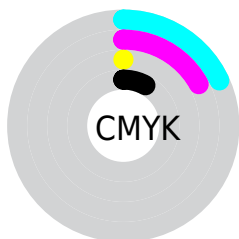
Blue (92%)



Red (75%)

Yellow (77%)

Blue (92%)

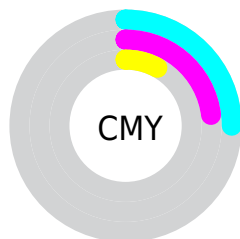


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (8%)



Cyan (25%)


Magenta (23%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 20.811, 288.327 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, 20.811, 288.327 by changing the saturation by 10% instead.


 80, 20.811,
288.327


 80, 20.811,
288.327


 100, 20.811,
288.327


 70, 20.811,
288.327

 60, 20.811,
288.327

 50, 20.811,
288.327

 40, 20.811,
288.327

 30, 20.811,
288.327

 20, 20.811,
288.327

 10, 20.811,

288.327

0, 20.811, 288.327

80, 20.811,
288.327

80, 20.811,
288.327

73, 32.795,
289.817

87, 9.271, 287.061

66, 45.264,
291.566

94, 1.856, 105.903

100, 10.126,
109.411

59, 58.242,
293.596

52, 71.700,
295.900

45, 85.457,
298.413

■ 39, 98.979,
300.975

■ 35, 111.131,
303.312

■ 31, 120.235,
305.088

■ 31, 121.388,
305.300

Harmonies

Complementary

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



80, 20.811, 288.327



91, 20.122, 104.210

Rectangle

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



80, 20.811, 288.327



80, 20.811, 338.327



80, 20.811, 108.327



80, 20.811, 158.327

Sweetspot

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



80, 20.809, 288.325



96, 5.939, 286.695



90, 14.877, 189.766



51, 4.056, 286.772



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, 20.809, 288.325



83, 26.923, 288.863



80, 23.775, 306.478



45, 6.351, 287.197



23, 98.983, 305.055



3, 33.427, 295.979

Inverse Universe

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



81, 16.383, 13.339



85, 21.308, 13.774



91, 23.060, 124.585



46, 4.933, 12.427



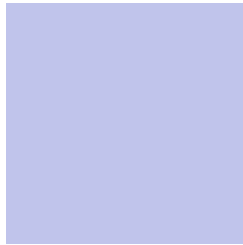
38, 76.939, 36.127



7, 28.175, 18.913

Previews

White Background



This preview shows how the CIELCh color 80, 20.811, 288.327 looks on a white background.

Color Contrast Check

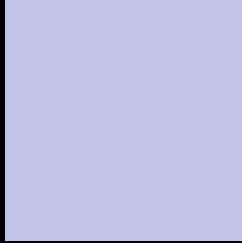
Large Text (above 18pt) WCAG AA × Fail

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, 20.811, 288.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

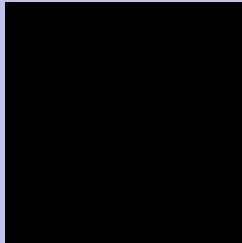
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 20.811, 288.327

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.811, 288.327.



This preview shows how white text looks on a background with the CIELCh color 80, 20.811, 288.327.

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, 20.811, 288.327

Protanopia

80, 20.851, 286.506

Deuteranopia

80, 21.983, 296.510



Tritanopia
80, 9.271, 266.492

Trichromacy



Original Color
80, 20.811, 288.327

Protanomaly
80, 20.829, 287.414

Deuteranomaly
80, 21.351, 292.964

Tritanomaly
80, 13.091, 277.648

Monochromacy



Original Color
80, 20.811, 288.327

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, 20.811, 288.327 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(192, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 196, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.811, 288.327 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(192, 196, 235) }
```

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

```
.border{ border-color:rgb(192, 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(192, 196, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(192, 196,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.811, 288.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 196, 235) }
```

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

```
.background{ background-color: rgb(192,  
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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