

Converting Colors

CIELCh(80, 11.988, 256.022)

Have a look what the booklet for
CIELCh(80, 11.988, 256.022)
contains.

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Color

CIELCh(80, 12.053, 256.510)

Conversions

Conversions Part 1

Format	Color
Hex	B5C9DC
RGB	181, 201, 220
RGB Percent	71%, 79%, 86%
CMY	0.2907, 0.2123, 0.1378
CMYK	0.18, 0.09, 0.00, 0.14
HSL	209°, 36%, 79%
HSV	209°, 18%, 86%
XYZ	52.7831, 56.6813, 75.7772
YIQ	197.1860, -18.0190, 1.6690

Conversions

Conversions Part 2

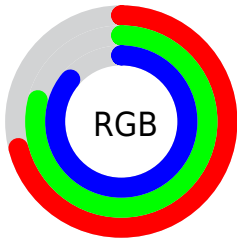
Format	Color
R _Y B	181, 194, 220
Decimal	11913692
CIE Lab	80.00, -2.81, -11.72
CIE LCh	80, 12.053, 256.510
Yxy	56.6813, 0.2849, 0.3060
Android (android.graphics.Color)	4290103772 (0xFFB5C9DC)
YUV	197.1860, 11.2473, -14.1951
Hunter-Lab	75.2870, -6.6073, -6.9752

Details

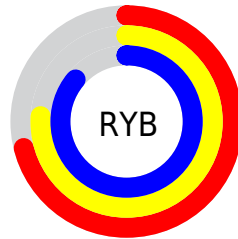
The CIELCh color `80, 12.053, 256.510` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `82, 12.669, 71.831`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 6.178, 199.121`, and `60, 12.020, 257.137` is the 20% darker color. If you saturate the color by 10%, you get `76, 18.706, 258.253`, and if you desaturate by 10%, it is `84, 5.291, 255.067`.

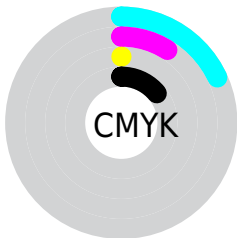
Distribution



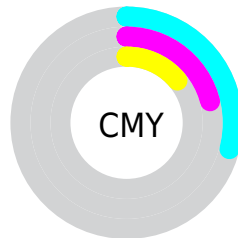
- Red (71%)
- Green (79%)
- Blue (86%)



- Red (71%)
- Yellow (76%)
- Blue (86%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)





- Cyan (29%)
- Magenta (21%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 12.053, 256.510 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, 12.053, 256.510 by changing the saturation by 10% instead.


 80, 12.053,
256.510


 80, 12.053,
256.510


 100, 12.053,
256.510


 70, 12.053,
256.510


 60, 12.053,
256.510

 50, 12.053,
256.510

 40, 12.053,
256.510

 30, 12.053,
256.510

 20, 12.053,
256.510

 10, 12.053,

256.510

0, 12.053, 256.510

80, 12.053,
256.510

80, 12.053,
256.510

76, 18.706,
258.253

84, 5.291, 255.067

71, 25.225,
260.351

89, 1.546, 73.479

93, 8.430, 72.634

67, 31.589,
262.858

96, 12.839, 90.329

63, 37.797,
265.832

99, 17.482,
108.160

59, 43.878,
269.314

99, 17.765,
108.834

■ 56, 49.896,
273.298

■ 52, 55.956,
277.706

■ 49, 62.176,
282.337

■ 48, 63.627,
283.339

Harmonies

Complementary

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



80, 12.053, 256.510



82, 12.669, 71.831

Rectangle

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



80, 12.053, 256.510



80, 12.053, 306.510



80, 12.053, 76.510



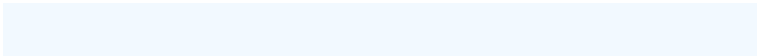
80, 12.053, 126.510

Sweetspot

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



80, 12.052, 256.503



98, 3.865, 254.750



85, 17.639, 161.258



52, 2.635, 254.828



0, 0.000, 0.000



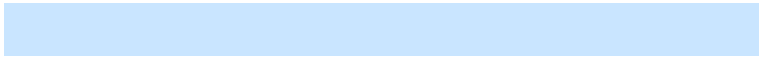
53, 0.007, 296.813

Same Dimension

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



80, 12.052, 256.503



90, 16.054, 257.068



75, 20.731, 291.500



44, 3.871, 255.286



38, 52.464, 282.542



8, 17.754, 272.459

Inverse Universe

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



78, 17.962, 344.468



86, 24.056, 344.802



87, 19.930, 107.769



43, 5.687, 343.698



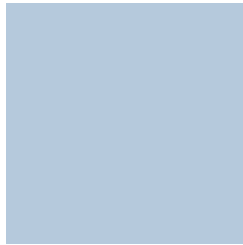
37, 63.644, 0.569



6, 25.203, 353.609

Previews

White Background



This preview shows how the CIELCh color 80, 12.053, 256.510 looks on a white background.

Color Contrast Check

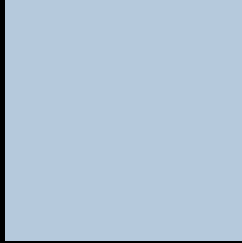
Large Text (above 18pt) WCAG AA × Fail

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, 12.053, 256.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

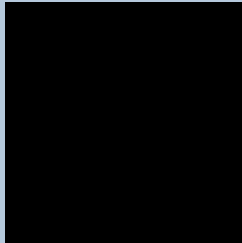
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

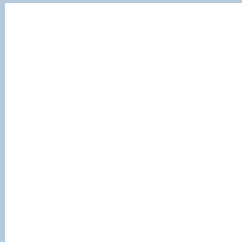
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 12.053, 256.510

Background



This preview shows how black text looks on a background with the CIELCh color 80, 12.053, 256.510.



This preview shows how white text looks on a background with the CIELCh color 80, 12.053, 256.510.

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, 12.053, 256.510

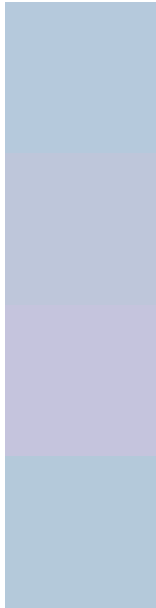
Protanopia
80, 10.664, 289.249

Deuteranopia
80, 16.206, 307.867



Tritanopia
80, 11.016, 249.997

Trichromacy



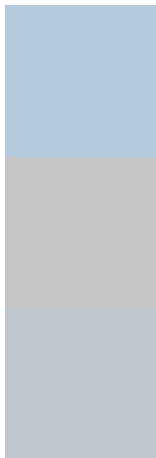
Original Color
80, 12.053, 256.510

Protanomaly
80, 10.959, 276.445

Deuteranomaly
80, 13.349, 292.861

Tritanomaly
80, 11.412, 251.851

Monochromacy



Original Color
80, 12.053, 256.510

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 4.459, 256.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 12.053, 256.510 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(181, 201, 220)` looks like.

```
.text, #text, p{  
    color:rgb(181, 201, 220)  
}
```

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(181, 201, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 201, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 12.053, 256.510 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(181, 201, 220) }
```

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

```
.border{ border-color:rgb(181, 201, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 201, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 201, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 201, 220); box-shadow:4px 4px 4px 4px rgb(181, 201, 220) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 12.053, 256.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 201, 220) }
```

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

```
.background{ background-color: rgb(181,  
201, 220) }
```

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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