

Converting Colors

CIELCh(80, 64.042, 110.982)

Have a look what the booklet for
CIELCh(80, 64.042, 110.982)
contains.

CIELCh(80, 63.972, 110.972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 63.972, 110.972)

Conversions

Conversions Part 1

Format	Color
Hex	BFD050
RGB	191, 208, 80
RGB Percent	75%, 82%, 31%
CMY	0.2515, 0.1848, 0.6868
CMYK	0.08, 0.00, 0.62, 0.18
HSL	68°, 58%, 56%
HSV	68°, 62%, 82%
XYZ	45.4166, 56.6813, 16.1108
YIQ	188.3250, 30.9560, -43.4120

Conversions

Conversions Part 2

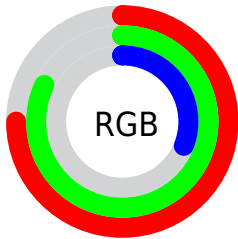
Format	Color
R_{YB}	80, 208, 97
Decimal	12570704
CIE _{Lab}	80.00, -22.90, 59.73
CIE _{LCh}	80, 63.972, 110.972
Yxy	56.6813, 0.3842, 0.4795
Android (android.graphics.Color)	4290760784 (0xFFBFD050)
YUV	188.3250, -53.4042, 2.3460
Hunter-Lab	75.2870, -24.0727, 40.0133

Details

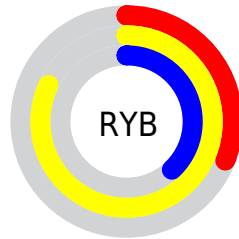
The CIELCh color **80, 63.972, 110.972** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **42, 76.169, 302.662**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 59.550, 107.555**, and **60, 64.001, 110.918** is the 20% darker color. If you saturate the color by 10%, you get **80, 71.921, 110.576**, and if you desaturate by 10%, it is **80, 54.810, 111.544**.

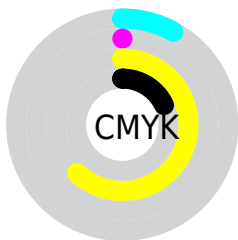
Distribution



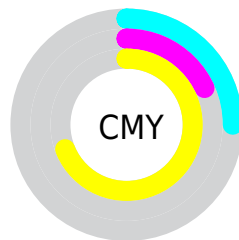
- Red (75%)
- Green (82%)
- Blue (31%)



- Red (31%)
- Yellow (82%)
- Blue (38%)



- Cyan (8%)
- Magenta (0%)
- Yellow (62%)
- Black (18%)





- Cyan (25%)
- Magenta (18%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 63.972, 110.972 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, 63.972, 110.972 by changing the saturation by 10% instead.


 80, 63.972,
110.972


 80, 63.972,
110.972


 100, 63.972,
110.972


 70, 63.972,
110.972

 60, 63.972,
110.972

 50, 63.972,
110.972

 40, 63.972,
110.972

 30, 63.972,
110.972

 20, 63.972,
110.972

 10, 63.972,

110.972

■ 0, 63.972, 110.972

■ 80, 63.972,
110.972

■ 80, 63.972,
110.972

■ 80, 71.921,
110.576

■ 80, 54.810,
111.544

■ 79, 78.143,
110.427

■ 81, 44.851,
112.224

■ 79, 82.194,
110.597

■ 81, 34.395,
112.966

■ 79, 84.101,
110.964

■ 82, 23.643,
113.736

■ 83, 12.724,
114.510

■ 83, 1.726, 115.266

■ 84, 9.293, 296.016

■ 85, 20.293,
296.725

■ 85, 25.007,
298.225

Harmonies

Complementary

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



80, 63.972, 110.972



42, 76.169, 302.662

Rectangle

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



80, 63.972, 110.972



80, 63.972, 160.972



80, 63.972, 290.972



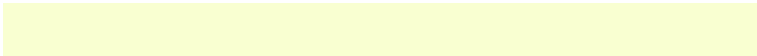
80, 63.972, 340.972

Sweetspot

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



80, 63.973, 110.974



99, 23.313, 113.996



54, 53.046, 34.697



52, 16.181, 113.768



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, 63.973, 110.974



95, 86.548, 110.496



76, 71.448, 130.234



44, 6.269, 114.676



65, 71.848, 110.850



15, 23.699, 112.486

Inverse Universe

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



42, 76.169, 302.662



43, 108.673, 304.661



49, 76.028, 315.598



40, 6.404, 296.153



20, 97.197, 306.819



2, 25.683, 296.580

Previews

White Background



This preview shows how the CIELCh color 80, 63.972, 110.972 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, 63.972, 110.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

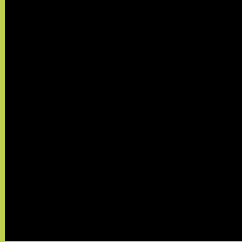
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 63.972, 110.972

Background



This preview shows how black text looks on a background with the CIELCh color 80, 63.972, 110.972.



This preview shows how white text looks on a background with the CIELCh color 80, 63.972, 110.972.

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





Tritanopia
80, 8.673, 312.762

Trichromacy



Original Color
80, 63.972, 110.972

Protanomaly
80, 62.061, 101.350

Deuteranomaly
80, 58.303, 91.515

Tritanomaly
80, 19.565, 109.541

Monochromacy



Original Color
80, 63.972, 110.972

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 24.514, 113.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 63.972, 110.972 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, 208, 80)` looks like.

```
.text, #text, p{  
    color:rgb(191, 208, 80)  
}
```

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, 208, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 208, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 63.972, 110.972 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, 208, 80) }
```

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

```
.border{ border-color:rgb(191, 208, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 208, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 208, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 208, 80);  
box-shadow:4px 4px 4px 4px rgb(191, 208,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 63.972, 110.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 208, 80) }
```

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

```
.background{ background-color: rgb(191,  
208, 80) }
```

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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