

Converting Colors

CIELCh(80, 50.864, 115.221)

Have a look what the booklet for
CIELCh(80, 50.864, 115.221)
contains.

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Color

CIELCh(80, 50.962, 115.465)

Conversions

Conversions Part 1

Format	Color
Hex	BBD06E
RGB	187, 208, 110
RGB Percent	73%, 82%, 43%
CMY	0.2674, 0.1850, 0.5693
CMYK	0.10, 0.00, 0.47, 0.19
HSL	73°, 51%, 62%
HSV	73°, 47%, 81%
XYZ	45.7607, 56.6813, 23.2296
YIQ	190.5490, 18.9420, -34.9300

Conversions

Conversions Part 2

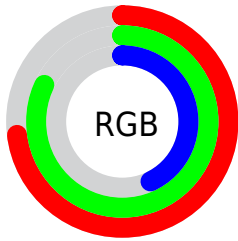
Format	Color
R_{YB}	110, 208, 131
Decimal	12308590
CIE _{Lab}	80.00, -21.91, 46.01
CIE _{LCh}	80, 50.962, 115.465
Yxy	56.6813, 0.3641, 0.4510
Android (android.graphics.Color)	4290498670 (0xFFBBD06E)
YUV	190.5490, -39.7107, -3.1125
Hunter-Lab	75.2870, -23.2569, 34.4071

Details

The CIELCh color **80, 50.962, 115.465** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **52, 57.119, 302.807**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 46.103, 111.529**, and **60, 51.044, 115.594** is the 20% darker color. If you saturate the color by 10%, you get **79, 60.656, 114.952**, and if you desaturate by 10%, it is **81, 40.635, 116.077**.

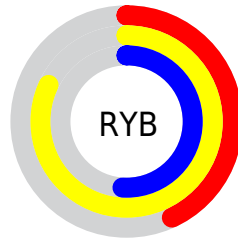
Distribution



Red (73%)

Green (82%)

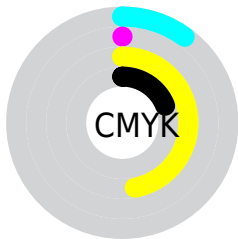
Blue (43%)



Red (43%)

Yellow (82%)

Blue (51%)

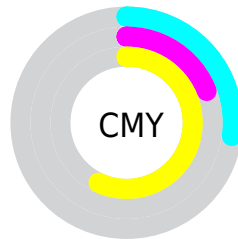


Cyan (10%)

Magenta (0%)

Yellow (47%)

Black (19%)



Cyan (27%)


Magenta (19%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 50.962, 115.465 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, 50.962, 115.465 by changing the saturation by 10% instead.


 80, 50.962,
115.465


 80, 50.962,
115.465

 100, 50.962,
115.465


 70, 50.962,
115.465

 60, 50.962,
115.465

 50, 50.962,
115.465

 40, 50.962,
115.465

 30, 50.962,
115.465

 20, 50.962,
115.465

 10, 50.962,

115.465

■ 0, 50.962, 115.465

■ 80, 50.962,
115.465

■ 80, 50.962,
115.465

■ 79, 60.656,
114.952

■ 81, 40.635,
116.077

■ 79, 69.353,
114.597

■ 81, 29.919,
116.735

■ 79, 76.582,
114.490

■ 82, 18.979,
117.410

■ 78, 81.842,
114.727

■ 83, 7.925, 118.080

■ 78, 84.895,
115.366

■ 84, 3.170, 298.724

■ 85, 14.253,
299.352

■ 78, 85.569,
115.579

■ 86, 25.136,
299.983

■ 86, 25.387,
303.340

■ 86, 25.720,
306.653

Harmonies

Complementary

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



80, 50.962, 115.465



52, 57.119, 302.807

Rectangle

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



80, 50.962, 115.465



80, 50.962, 165.465



80, 50.962, 295.465



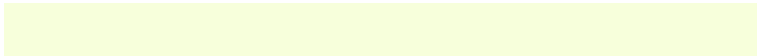
80, 50.962, 345.465

Sweetspot

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



80, 50.963, 115.467



99, 18.301, 117.611



62, 36.536, 39.710



52, 12.628, 117.464



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, 50.963, 115.467



95, 71.337, 114.929



77, 57.411, 133.348



44, 6.318, 117.930



64, 73.084, 115.408



15, 24.045, 116.884

Inverse Universe

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



52, 57.119, 302.807



56, 82.716, 304.065



57, 59.413, 317.713



40, 6.448, 299.197



21, 96.306, 307.434



2, 25.804, 298.622

Previews

White Background



This preview shows how the CIELCh color 80, 50.962, 115.465 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, 50.962, 115.465 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, 50.962, 115.465

Background



This preview shows how black text looks on a background with the CIELCh color 80, 50.962, 115.465.



This preview shows how white text looks on a background with the CIELCh color 80, 50.962, 115.465.

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, 50.962, 115.465

Protanopia
80, 48.441, 95.654

Deuteranopia
80, 45.857, 77.389



Tritanopia
80, 8.622, 298.053

Trichromacy



Original Color
80, 50.962, 115.465

Protanomaly
80, 48.962, 103.250

Deuteranomaly
80, 45.159, 92.513

Tritanomaly
80, 13.398, 117.151

Monochromacy



Original Color
80, 50.962, 115.465

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 18.804, 116.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 50.962, 115.465 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(187, 208, 110)` looks like.

```
.text, #text, p{  
    color:rgb(187, 208, 110)  
}
```

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(187, 208, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 208, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 50.962, 115.465 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(187, 208, 110) }
```

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

```
.border{ border-color:rgb(187, 208, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 208, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 208, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 208, 110);  
box-shadow:4px 4px 4px 4px rgb(187, 208,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 50.962, 115.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 208, 110) }
```

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

```
.background{ background-color: rgb(187,  
208, 110) }
```

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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