

Converting Colors

CIELCh(78, 51.111, 106.671)

Have a look what the booklet for
CIELCh(78, 51.111, 106.671)
contains.

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Color

CIELCh(78, 50.920, 106.416)

Conversions

Conversions Part 1

Format	Color
Hex	C4C663
RGB	196, 198, 99
RGB Percent	77%, 78%, 39%
CMY	0.2301, 0.2223, 0.6106
CMYK	0.01, 0.00, 0.50, 0.22
HSL	61°, 47%, 58%
HSV	61°, 50%, 78%
XYZ	45.3766, 53.2120, 19.7558
YIQ	186.1160, 30.5870, -31.2130

Conversions

Conversions Part 2

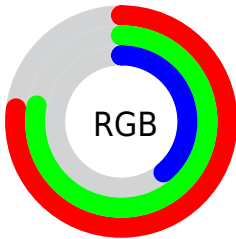
Format	Color
RYB	99, 198, 101
Decimal	12895843
CIELab	78.00, -14.39, 48.84
CIELCh	78, 50.920, 106.416
Yxy	53.2120, 0.3834, 0.4496
Android (android.graphics.Color)	4291085923 (0xFFC4C663)
YUV	186.1160, -42.9482, 8.6683
Hunter-Lab	72.9466, -16.6201, 35.0054

Details

The CIELCh color **78, 50.920, 106.416** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **47, 58.431, 297.925**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 51.170, 106.707**, and **58, 50.953, 106.292** is the 20% darker color. If you saturate the color by 10%, you get **78, 59.824, 105.639**, and if you desaturate by 10%, it is **78, 41.303, 107.279**.

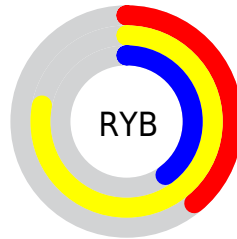
Distribution



Red (77%)

Green (78%)

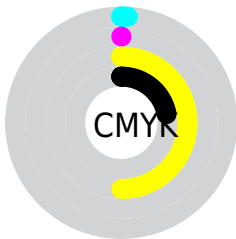
Blue (39%)



Red (39%)

Yellow (78%)

Blue (40%)

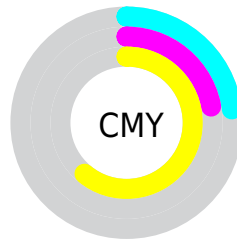


Cyan (1%)

Magenta (0%)

Yellow (50%)

Black (22%)



Cyan (23%)


Magenta (22%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 50.920, 106.416 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 78, 50.920, 106.416 by changing the saturation by 10% instead.


 78, 50.920,
106.416


 78, 50.920,
106.416


 100, 50.920,
106.416


 68, 50.920,
106.416


 98, 50.920,
106.416

 58, 50.920,
106.416

 48, 50.920,
106.416

 38, 50.920,
106.416

 28, 50.920,
106.416

 18, 50.920,
106.416

 8, 50.920, 106.416

0, 50.920, 106.416

78, 50.920,
106.416

78, 50.920,
106.416

78, 59.824,
105.639

78, 41.303,
107.279

78, 67.622,
104.980

79, 31.242,
108.187

77, 73.830,
104.488

79, 20.921,
109.117

77, 77.992,
104.202

79, 10.454,
110.049

77, 80.214,
104.107

80, 0.081, 291.671

77, 80.228,
104.107

81, 10.636,
291.885

■ 81, 21.175,
292.754

■ 82, 30.124,
293.503

■ 82, 30.128,
293.749

Harmonies

Complementary

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



78, 50.920, 106.416



47, 58.431, 297.925

Rectangle

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



78, 50.920, 106.416



78, 50.920, 156.416



78, 50.920, 286.416



78, 50.920, 336.416

Sweetspot

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



78, 50.921, 106.419



99, 19.341, 109.557



54, 42.903, 26.110



53, 13.186, 109.357



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 50.921, 106.419



97, 73.265, 105.570



75, 55.310, 127.360



42, 5.984, 110.100



65, 69.426, 104.089



13, 20.296, 107.188

Inverse Universe

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



47, 58.431, 297.925



52, 87.828, 300.149



51, 59.342, 312.106



38, 6.116, 291.904



19, 95.719, 306.356



1, 21.517, 292.278

Previews

White Background



This preview shows how the CIELCh color 78, 50.920, 106.416 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 CIE LCh color 78, 50.920, 106.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

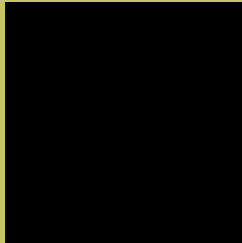
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 50.920, 106.416

Background



This preview shows how black text looks on a background with the CIELCh color 78, 50.920, 106.416.



This preview shows how white text looks on a background with the CIELCh color 78, 50.920, 106.416.

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

78, 50.920, 106.416

Protanopia

78, 50.486, 95.685

Deuteranopia

78, 48.810, 78.529



Tritanopia
78, 10.915, 332.936

Trichromacy



Original Color
78, 50.920, 106.416

Protanomaly
78, 50.362, 99.641

Deuteranomaly
78, 47.863, 88.543

Tritanomaly
78, 14.643, 90.156

Monochromacy



Original Color
78, 50.920, 106.416

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 19.210, 108.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 50.920, 106.416 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(196, 198, 99)` looks like.

```
.text, #text, p{  
    color:rgb(196, 198, 99)  
}
```

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(196, 198, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 198, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 50.920, 106.416 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(196, 198, 99) }
```

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

```
.border{ border-color:rgb(196, 198, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 198, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 198, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 198, 99);  
box-shadow:4px 4px 4px 4px rgb(196, 198,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 50.920, 106.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 198, 99) }
```

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

```
.background{ background-color: rgb(196,  
198, 99) }
```

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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