

Converting Colors

CIELCh(78, 45.893, 106.533)

Have a look what the booklet for
CIELCh(78, 45.893, 106.533)
contains.

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Color

CIELCh(78, 46.136, 106.427)

Conversions

Conversions Part 1

Format	Color
Hex	C5C66D
RGB	197, 198, 109
RGB Percent	77%, 78%, 43%
CMY	0.2284, 0.2245, 0.5734
CMYK	0.01, 0.00, 0.45, 0.22
HSL	61°, 44%, 60%
HSV	61°, 45%, 78%
XYZ	45.8462, 53.2120, 22.2579
YIQ	187.5550, 27.9730, -27.8910

Conversions

Conversions Part 2

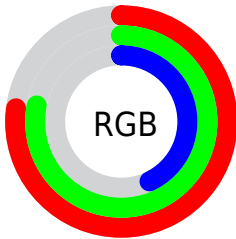
Format	Color
RYB	109, 198, 110
Decimal	12961389
CIELab	78.00, -13.05, 44.25
CIELCh	78, 46.136, 106.427
Yxy	53.2120, 0.3779, 0.4386
Android (android.graphics.Color)	4291151469 (0xFFC5C66D)
YUV	187.5550, -38.7276, 8.2833
Hunter-Lab	72.9466, -15.4709, 32.9716

Details

The CIELCh color $78, 46.136, 106.427$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $50, 52.012, 296.755$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $98, 46.400, 106.631$, and $58, 46.128, 106.475$ is the 20% darker color. If you saturate the color by 10%, you get $78, 55.413, 105.591$, and if you desaturate by 10%, it is $78, 36.295, 107.331$.

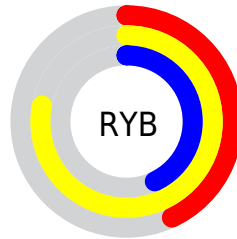
Distribution



Red (77%)

Green (78%)

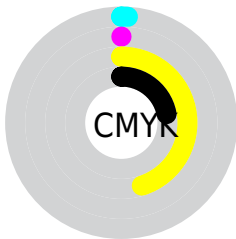
Blue (43%)



Red (43%)

Yellow (78%)

Blue (43%)

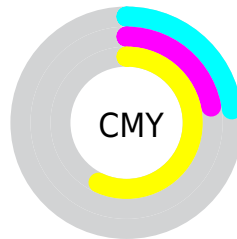


Cyan (1%)

Magenta (0%)

Yellow (45%)

Black (22%)



Cyan (23%)


Magenta (22%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 46.136, 106.427 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, 46.136, 106.427 by changing the saturation by 10% instead.

 78, 46.136,
106.427

 78, 46.136,
106.427

 100, 46.136,
106.427


 68, 46.136,
106.427


 98, 46.136,
106.427

 58, 46.136,
106.427

 48, 46.136,
106.427

 38, 46.136,
106.427

 28, 46.136,
106.427

 18, 46.136,
106.427

 8, 46.136, 106.427

■ 0, 46.136, 106.427

■ 78, 46.136,
106.427

■ 78, 46.136,
106.427

■ 78, 55.413,
105.591

■ 78, 36.295,
107.331

■ 78, 63.793,
104.851

■ 79, 26.111,
108.265

■ 77, 70.833,
104.249

■ 79, 15.731,
109.212

■ 77, 76.038,
103.830

■ 80, 5.248, 110.149

■ 77, 79.063,
103.618

■ 80, 5.277, 291.099

■ 77, 80.042,
103.561

■ 81, 15.802,
291.993

■ 81, 26.300,

292.860

■ 82, 30.427,
293.275

■ 82, 30.428,
293.411

Harmonies

Complementary

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



78, 46.136, 106.427



50, 52.012, 296.755

Rectangle

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



78, 46.136, 106.427



78, 46.136, 156.427



78, 46.136, 286.427



78, 46.136, 336.427

Sweetspot

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



78, 46.137, 106.430



99, 16.769, 109.383



56, 38.523, 24.126



53, 11.727, 109.171



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, 46.137, 106.430



98, 66.904, 105.606



75, 49.796, 126.977



42, 5.983, 109.741



65, 69.410, 103.552



13, 20.292, 106.662

Inverse Universe

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



50, 52.012, 296.755



56, 78.244, 298.692



54, 53.166, 311.333



38, 6.115, 291.574



19, 95.767, 306.326



1, 21.514, 292.047

Previews

White Background



This preview shows how the CIELCh color 78, 46.136, 106.427 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, 46.136, 106.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

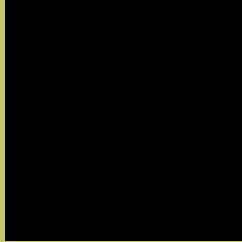
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 46.136, 106.427

Background



This preview shows how black text looks on a background with the CIELCh color 78, 46.136, 106.427.



This preview shows how white text looks on a background with the CIELCh color 78, 46.136, 106.427.

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, 46.136, 106.427

Protanopia

78, 45.636, 95.735

Deuteranopia

78, 44.258, 77.448



Tritanopia
78, 10.915, 332.936

Trichromacy



Original Color
78, 46.136, 106.427

Protanomaly
78, 45.523, 100.067

Deuteranomaly
78, 43.283, 88.452

Tritanomaly
78, 13.129, 88.168

Monochromacy



Original Color
78, 46.136, 106.427

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 17.072, 108.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 46.136, 106.427 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(197, 198, 109)` looks like.

```
.text, #text, p{  
    color:rgb(197, 198, 109)  
}
```

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(197, 198, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 198, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 46.136, 106.427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

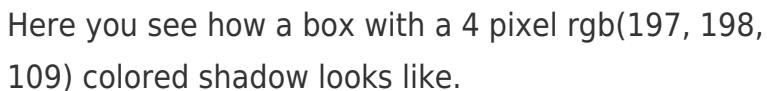
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 198, 109) }
```

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

```
.border{ border-color:rgb(197, 198, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 198, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 198, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 198, 109); box-shadow:4px 4px 4px 4px rgb(197, 198, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 46.136, 106.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 198, 109) }
```

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

```
.background{ background-color: rgb(197,  
198, 109) }
```

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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