

Converting Colors

CIELCh(77, 7.215, 46.140)

Have a look what the booklet for
CIELCh(77, 7.215, 46.140) contains.

CIELCh(77, 7.215, 46.140)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 7.215, 46.140)

Conversions

Conversions Part 1

Format	Color
Hex	CCBBB5
RGB	204, 187, 181
RGB Percent	80%, 73%, 71%
CMY	0.2012, 0.2678, 0.2914
CMYK	0.00, 0.08, 0.11, 0.20
HSL	16°, 18%, 75%
HSV	16°, 11%, 80%
XYZ	50.8348, 51.5317, 50.8233
YIQ	191.3990, 12.0580, 1.7380

Conversions

Conversions Part 2

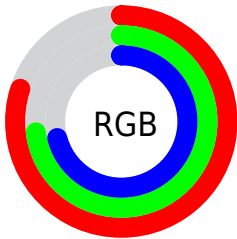
Format	Color
RYB	204, 189, 181
Decimal	13417397
CIELab	77.00, 5.00, 5.20
CIElCh	77, 7.215, 46.140
Yxy	51.5317, 0.3318, 0.3364
Android (android.graphics.Color)	4291607477 (0xFFCCBBB5)
YUV	191.3990, -5.1267, 11.0511
Hunter-Lab	71.7856, 0.7796, 8.2734

Details

The CIELCh color $77, 7.215, 46.140$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79, 6.755, 227.503$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 5.264, 55.024$, and $57, 7.366, 47.400$ is the 20% darker color. If you saturate the color by 10%, you get $73, 14.158, 45.804$, and if you desaturate by 10%, it is $81, 0.789, 46.026$.

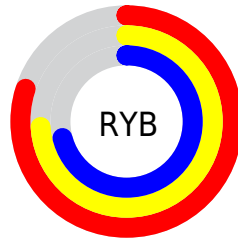
Distribution



Red (80%)

Green (73%)

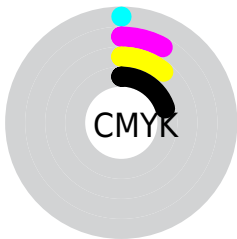
Blue (71%)



Red (80%)

Yellow (74%)

Blue (71%)

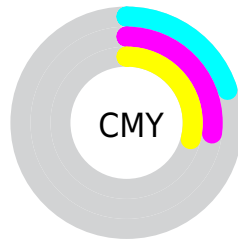


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (20%)



Cyan (20%)

Magenta (27%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 7.215, 46.140 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 77, 7.215, 46.140 by changing the saturation by 10% instead.

 77, 7.215, 46.140  77, 7.215, 46.140

 100, 7.215, 46.140  67, 7.215, 46.140


 97, 7.215, 46.140  57, 7.215, 46.140


 47, 7.215, 46.140

 37, 7.215, 46.140

 27, 7.215, 46.140

 17, 7.215, 46.140

 7, 7.215, 46.140

 0, 7.215, 46.140

 77, 7.215, 46.140

 77, 7.215, 46.140

73, 14.158, 45.804

81, 0.789, 46.026

69, 21.665, 45.525

86, 5.172, 227.320

64, 29.771, 45.368

90, 10.719,
227.822

61, 38.476, 45.358

95, 14.755,
215.033

57, 47.727, 45.509

54, 57.354, 45.790

97, 16.966,
198.380

51, 66.947, 46.069

48, 75.591, 45.983

46, 81.651, 45.494

Harmonies

Complementary

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



77, 7.215, 46.140



79, 6.755, 227.503

Rectangle

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



77, 7.215, 46.140



77, 7.215, 96.140



77, 7.215, 226.140



77, 7.215, 276.140

Sweetspot

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



77, 7.214, 46.159



98, 2.226, 46.330



76, 12.600, 333.048



52, 1.693, 46.351



0, 0.000, 0.000



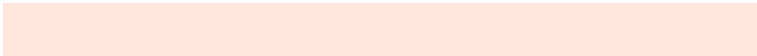
53, 0.007, 296.813

Same Dimension

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



77, 7.214, 46.159



93, 10.861, 46.053



80, 9.395, 95.883



41, 3.603, 46.227



38, 69.675, 45.939



6, 15.544, 34.525

Inverse Universe

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



79, 6.755, 227.503



95, 9.983, 227.695



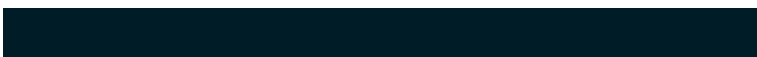
76, 9.474, 278.666



42, 3.414, 227.391



48, 33.485, 248.083



9, 11.841, 237.066

Previews

White Background



This preview shows how the CIELCh color 77, 7.215, 46.140 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 77, 7.215, 46.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

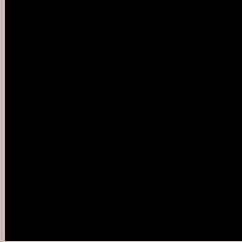
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 7.215, 46.140

Background



This preview shows how black text looks on a background with the CIELCh color 77, 7.215, 46.140.



This preview shows how white text looks on a background with the CIELCh color 77, 7.215, 46.140.

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

77, 7.215, 46.140

Protanopia

77, 4.358, 78.567

Deuteranopia

77, 10.845, 28.683



Tritanopia
77, 11.092, 337.724

Trichromacy



Original Color
77, 7.215, 46.140

Protanomaly
77, 4.942, 60.002

Deuteranomaly
77, 9.418, 33.147

Tritanomaly
77, 8.364, 353.446

Monochromacy



Original Color
77, 7.215, 46.140

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 2.813, 41.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 7.215, 46.140 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(204, 187, 181)` looks like.

```
.text, #text, p{  
    color:rgb(204, 187, 181)  
}
```

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(204, 187, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 187, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 7.215, 46.140 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(204, 187, 181) }
```

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

```
.border{ border-color:rgb(204, 187, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 187, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 187, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 187, 181);  
box-shadow:4px 4px 4px 4px rgb(204, 187,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 7.215, 46.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 187, 181) }
```

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

```
.background{ background-color: rgb(204,  
187, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor