

Converting Colors

CIELCh(77, 12.437, 267.359)

Have a look what the booklet for
CIELCh(77, 12.437, 267.359)
contains.

CIELCh(77, 12.645, 268.837)	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(77, 12.645, 268.837)

Conversions

Conversions Part 1

Format	Color
Hex	B1BFD5
RGB	177, 191, 213
RGB Percent	69%, 75%, 84%
CMY	0.3051, 0.2502, 0.1639
CMYK	0.17, 0.10, 0.00, 0.16
HSL	217°, 30%, 77%
HSV	217°, 17%, 84%
XYZ	48.8854, 51.5317, 70.4551
YIQ	189.3220, -15.4060, 3.8740

Conversions

Conversions Part 2

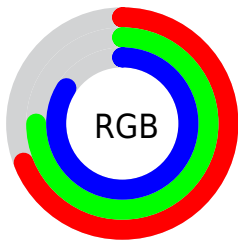
Format	Color
R_{YB}	177, 187, 213
Decimal	11648981
CIE _{Lab}	77.00, -0.26, -12.64
CIE _{LCh}	77, 12.645, 268.837
Yxy	51.5317, 0.2861, 0.3016
Android (android.graphics.Color)	4289839061 (0xFFB1BFD5)
YUV	189.3220, 11.6733, -10.8064
Hunter-Lab	71.7856, -4.0679, -7.9411

Details

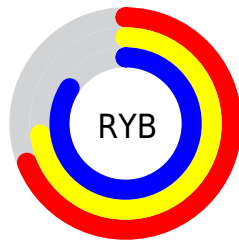
The CIELCh color `77, 12.645, 268.837` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81, 12.837, 84.238`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `96, 6.236, 240.403`, and `57, 12.327, 267.451` is the 20% darker color. If you saturate the color by 10%, you get `72, 20.207, 270.569`, and if you desaturate by 10%, it is `82, 5.140, 267.375`.

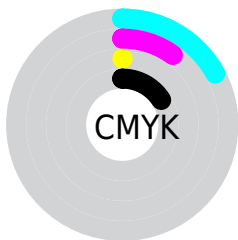
Distribution



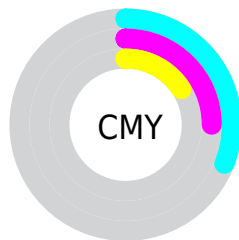
- Red (69%)
- Green (75%)
- Blue (84%)



- Red (69%)
- Yellow (73%)
- Blue (84%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)





- Cyan (31%)
- Magenta (25%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 12.645, 268.837 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, 12.645, 268.837 by changing the saturation by 10% instead.


 77, 12.645,
268.837


 77, 12.645,
268.837


 100, 12.645,
268.837


 67, 12.645,
268.837


 97, 12.645,
268.837

 57, 12.645,
268.837

 47, 12.645,
268.837

 37, 12.645,
268.837

 27, 12.645,
268.837

 17, 12.645,
268.837

 7, 12.645, 268.837

■ 0, 12.645, 268.837

■ 77, 12.645,
268.837

■ 77, 12.645,
268.837

■ 72, 20.207,
270.569

■ 82, 5.140, 267.375

■ 87, 2.298, 85.911

■ 67, 27.826,
272.615

■ 92, 9.662, 84.907

■ 62, 35.510,
275.017

■ 96, 15.950, 93.155

■ 58, 43.280,
277.813

■ 99, 21.120,
108.578

■ 53, 51.175,
281.021

■ 49, 59.248,
284.608

■ 44, 67.532,
288.474

■ 41, 75.994,
292.418

■ 40, 78.655,
293.567

Harmonies

Complementary

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



77, 12.645, 268.837



81, 12.837, 84.238

Rectangle

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



77, 12.645, 268.837



77, 12.645, 318.837



77, 12.645, 88.837



77, 12.645, 138.837

Sweetspot

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



77, 12.644, 268.831



97, 4.313, 267.146



82, 15.044, 167.887



51, 2.943, 267.232



0, 0.000, 0.000



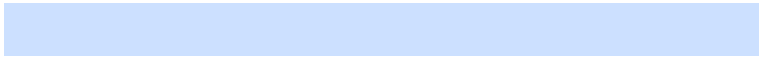
53, 0.007, 296.813

Same Dimension

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



77, 12.644, 268.831



89, 17.336, 269.376



74, 19.614, 295.650



42, 4.254, 267.715



32, 65.611, 292.941



5, 19.917, 281.341

Inverse Universe

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



76, 15.453, 351.688



87, 21.257, 352.053



84, 18.881, 112.734



42, 5.153, 350.908



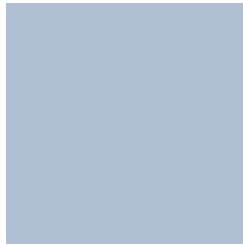
36, 62.911, 12.404



5, 22.666, 1.327

Previews

White Background



This preview shows how the CIELCh color 77, 12.645, 268.837 looks on a white background.

Color Contrast Check

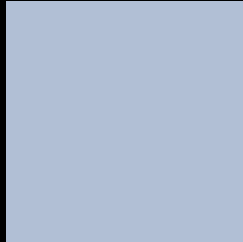
Large Text (above 18pt) WCAG AA × Fail

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 77, 12.645, 268.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

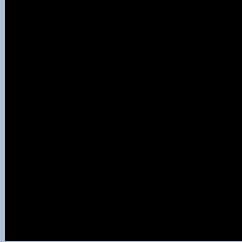
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

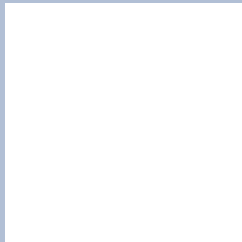
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 12.645, 268.837

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.645, 268.837.



This preview shows how white text looks on a background with the CIELCh color 77, 12.645, 268.837.

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

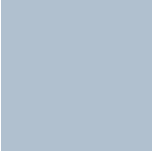
77, 12.645, 268.837

Protanopia

77, 11.829, 287.868

Deuteranopia

77, 16.232, 306.684



Tritanopia
77, 9.683, 255.703

Trichromacy



Original Color
77, 12.645, 268.837

Protanomaly
77, 12.011, 279.561

Deuteranomaly
77, 14.582, 295.633

Tritanomaly
77, 10.562, 259.265

Monochromacy



Original Color
77, 12.645, 268.837

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 4.633, 267.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.645, 268.837 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(177, 191, 213)` looks like.

```
.text, #text, p{  
    color:rgb(177, 191, 213)  
}
```

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(177, 191, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 191, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.645, 268.837 is called "border". The border property can be set on classes, ids or directly on the HTML element.

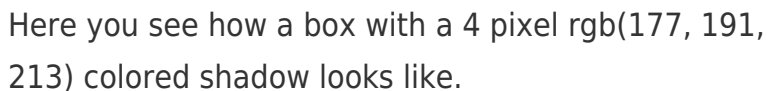
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 191, 213) }
```

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

```
.border{ border-color:rgb(177, 191, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 191, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 191, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 191, 213); box-shadow:4px 4px 4px 4px rgb(177, 191, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.645, 268.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 191, 213) }
```

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

```
.background{ background-color: rgb(177,  
191, 213) }
```

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