

Converting Colors

CIELCh(77, 37.024, 166.607)

Have a look what the booklet for
CIELCh(77, 37.024, 166.607)
contains.

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Color

CIELCh(77, 37.157, 166.342)

Conversions

Conversions Part 1

Format	Color
Hex	72D0AD
RGB	114, 208, 173
RGB Percent	45%, 82%, 68%
CMY	0.5541, 0.1855, 0.3227
CMYK	0.45, 0.00, 0.17, 0.19
HSL	158°, 50%, 63%
HSV	158°, 45%, 81%
XYZ	36.9007, 51.5317, 47.3936
YIQ	175.9040, -44.7890, -30.8130

Conversions

Conversions Part 2

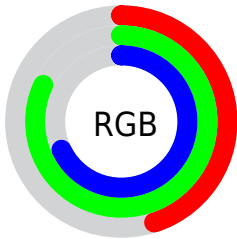
Format	Color
RYB	114, 172, 208
Decimal	7524525
CIELab	77.00, -36.11, 8.77
CIELCh	77, 37.157, 166.342
Yxy	51.5317, 0.2717, 0.3794
Android (android.graphics.Color)	4285714605 (0xFF72D0AD)
YUV	175.9040, -1.4317, -54.2898
Hunter-Lab	71.7856, -33.8686, 11.1061

Details

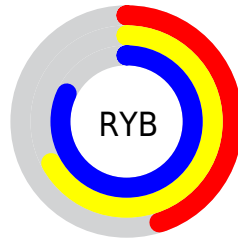
The CIELCh color **77, 37.157, 166.342** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 41.054, 356.608**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.705, 171.363**, and **57, 37.039, 166.575** is the 20% darker color. If you saturate the color by 10%, you get **76, 44.215, 164.937**, and if you desaturate by 10%, it is **78, 29.518, 167.599**.

Distribution



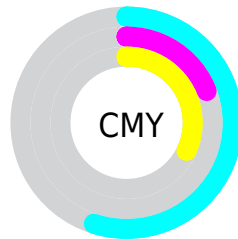
- Red (45%)
- Green (82%)
- Blue (68%)



- Red (45%)
- Yellow (67%)
- Blue (82%)



- Cyan (45%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)




- Cyan (55%)
- Magenta (19%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 37.157, 166.342 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, 37.157, 166.342 by changing the saturation by 10% instead.


 77, 37.157,
166.342


 77, 37.157,
166.342


 100, 37.157,
166.342


 67, 37.157,
166.342


 97, 37.157,
166.342

 57, 37.157,
166.342

 47, 37.157,
166.342

 37, 37.157,
166.342

 27, 37.157,
166.342

 17, 37.157,
166.342

 7, 37.157, 166.342

0, 37.157, 166.342

77, 37.157,
166.342

77, 37.157,
166.342

76, 44.215,
164.937

78, 29.518,
167.599

75, 50.560,
163.362

79, 21.439,
168.735

75, 56.099,
161.593

81, 13.063,
169.778

74, 60.794,
159.615

82, 4.516, 170.788

74, 64.688,
157.433

84, 4.092, 351.445

74, 66.370,
156.384

86, 12.674,
352.335

88, 19.845,

350.904

■ 88, 21.986,
341.664

■ 88, 24.620,
334.296

Harmonies

Complementary

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



77, 37.157, 166.342



59, 41.054, 356.608

Rectangle

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



77, 37.157, 166.342



77, 37.157, 216.342



77, 37.157, 346.342



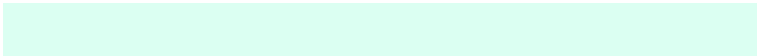
77, 37.157, 36.342

Sweetspot

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



77, 37.158, 166.341



97, 14.169, 169.887



78, 53.836, 130.903



52, 9.768, 169.667



0, 0.000, 0.000



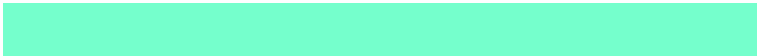
53, 0.007, 296.813

Same Dimension

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



77, 37.158, 166.341



92, 51.127, 165.028



75, 26.087, 210.851



43, 4.899, 170.360



61, 56.383, 156.751



14, 19.738, 162.012

Inverse Universe

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



59, 41.054, 356.608



67, 57.432, 358.384



61, 36.790, 32.550



41, 5.003, 351.966



35, 62.441, 13.938



5, 20.829, 1.709

Previews

White Background



This preview shows how the CIELCh color 77, 37.157, 166.342 looks on a white background.

Color Contrast Check

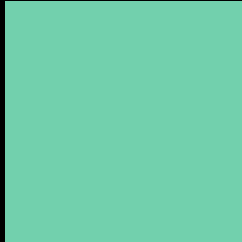
Large Text (above 18pt) WCAG AA × Fail

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, 37.157, 166.342 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, 37.157, 166.342

Background



This preview shows how black text looks on a background with the CIELCh color 77, 37.157, 166.342.

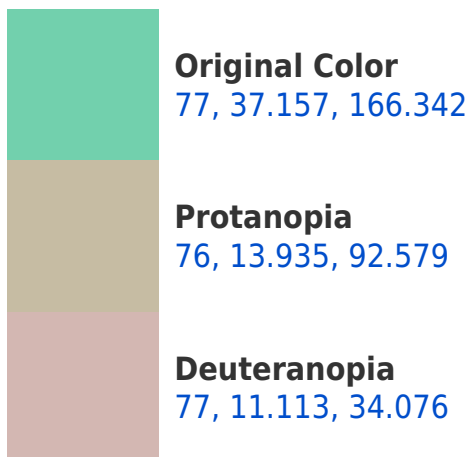


This preview shows how white text looks on a background with the CIELCh color 77, 37.157, 166.342.

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





Tritanopia
77, 24.621, 219.833

Trichromacy



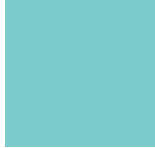
Original Color
77, 37.157, 166.342



Protanomaly
76, 18.420, 143.580



Deuteranomaly
76, 10.517, 143.983



Tritanomaly
77, 25.995, 196.316

Monochromacy



Original Color
77, 37.157, 166.342



Achromatopsia
72, 0.009, 296.813



Achromatomaly
73, 14.659, 169.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 37.157, 166.342 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(114, 208, 173)` looks like.

```
.text, #text, p{  
    color:rgb(114, 208, 173)  
}
```

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(114, 208, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 208, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 37.157, 166.342 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(114, 208, 173) }
```

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

```
.border{ border-color:rgb(114, 208, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 208, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 208, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 208, 173); box-shadow:4px 4px 4px 4px rgb(114, 208, 173) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 37.157, 166.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 208, 173) }
```

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

```
.background{ background-color: rgb(114,  
208, 173) }
```

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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