

Converting Colors

CIELCh(77, 1.543, 236.195)

Have a look what the booklet for
CIELCh(77, 1.543, 236.195) contains.

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Color

CIELCh(77, 1.553, 219.876)

Conversions

Conversions Part 1

Format	Color
Hex	BBBFC0
RGB	187, 191, 192
RGB Percent	73%, 75%, 75%
CMY	0.2673, 0.2516, 0.2477
CMYK	0.03, 0.01, 0.00, 0.25
HSL	192°, 4%, 74%
HSV	192°, 3%, 75%
XYZ	48.5438, 51.5317, 57.1611
YIQ	189.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

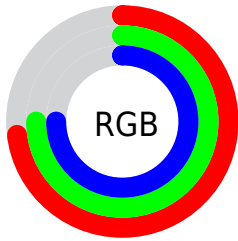
Format	Color
R_YB	187, 189, 192
Decimal	12304320
CIE Lab	77.00, -1.19, -1.00
CIE LCh	77, 1.553, 219.876
Yxy	51.5317, 0.3087, 0.3277
Android (android.graphics.Color)	4290494400 (0xFFBBBFC0)
YUV	189.9180, 1.0264, -2.5591
Hunter-Lab	71.7856, -4.9172, 3.0388

Details

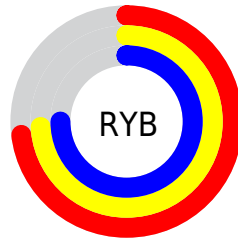
The CIELCh color $77, 1.553, 219.876$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $76, 1.574, 39.017$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 1.482, 219.954$, and $57, 1.644, 219.813$ is the 20% darker color. If you saturate the color by 10%, you get $75, 7.328, 219.855$, and if you desaturate by 10%, it is $80, 4.486, 39.147$.

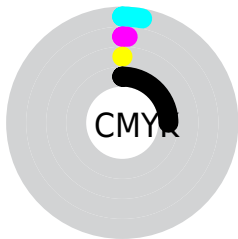
Distribution



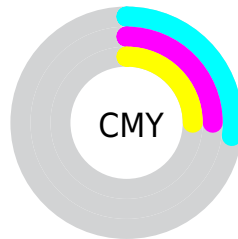
- Red (73%)
- Green (75%)
- Blue (75%)



- Red (73%)
- Yellow (74%)
- Blue (75%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 1.553, 219.876 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, 1.553, 219.876 by changing the saturation by 10% instead.

■ 77, 1.553, 219.876

■ 77, 1.553, 219.876

■ 100, 1.553,
219.876

■ 67, 1.553, 219.876

■ 97, 1.553, 219.876

■ 57, 1.553, 219.876

■ 47, 1.553, 219.876

■ 37, 1.553, 219.876

■ 27, 1.553, 219.876

■ 17, 1.553, 219.876

■ 7, 1.553, 219.876

■ 0, 1.553, 219.876

■ 77, 1.553, 219.876

■ 77, 1.553, 219.876

75, 7.328, 219.855

80, 4.486, 39.147

72, 12.762,
220.301

82, 10.726, 39.111

70, 17.770,
220.967

85, 17.112, 39.098

68, 22.264,
221.890

87, 20.386, 41.945

66, 26.157,
223.132

88, 19.694, 55.393

64, 29.377,
224.767

89, 19.779, 62.264

63, 31.883,
226.874

90, 20.150, 68.964

61, 33.683,
229.536

60, 34.849,
232.816

Harmonies

Complementary

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



77, 1.553, 219.876



76, 1.574, 39.017

Rectangle

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



77, 1.553, 219.876



77, 1.553, 269.876



77, 1.553, 39.876



77, 1.553, 89.876

Sweetspot

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



77, 1.554, 219.802



98, 0.743, 220.288



77, 2.874, 149.897



52, 0.422, 220.333



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



77, 1.554, 219.802



97, 2.214, 219.764



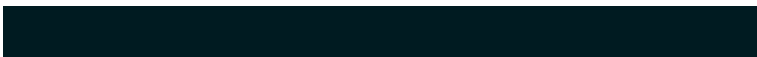
76, 1.925, 272.866



41, 1.359, 219.729



50, 31.061, 234.972



8, 10.392, 227.236

Inverse Universe

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



76, 2.858, 330.561



96, 4.078, 330.603



77, 1.908, 92.004



40, 2.508, 330.663



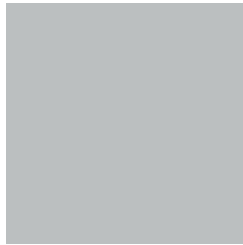
36, 70.194, 337.991



4, 20.043, 334.517

Previews

White Background



This preview shows how the CIELCh color 77, 1.553, 219.876 looks on a white background.

Color Contrast Check

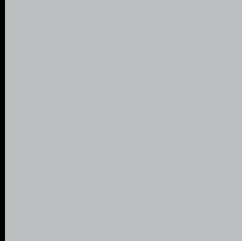
Large Text (above 18pt) WCAG AA × Fail

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, 1.553, 219.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

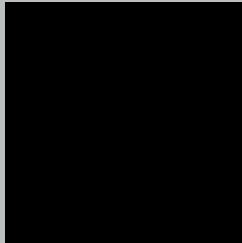
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

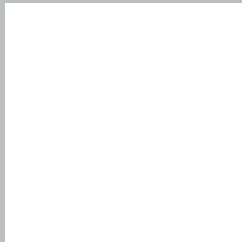
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 1.553, 219.876

Background



This preview shows how black text looks on a background with the CIELCh color 77, 1.553, 219.876.

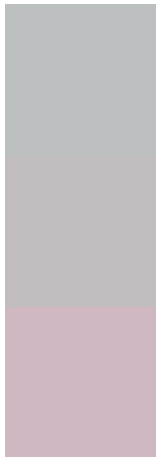


This preview shows how white text looks on a background with the CIELCh color 77, 1.553, 219.876.

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, 1.553, 219.876

Protanopia

77, 1.842, 343.604

Deuteranopia

77, 9.853, 350.930



Tritanopia
77, 8.062, 290.927

Trichromacy



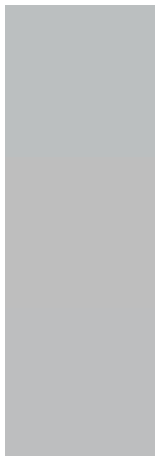
Original Color
77, 1.553, 219.876

Protanomaly
77, 0.663, 324.095

Deuteranomaly
77, 6.432, 344.164

Tritanomaly
77, 5.409, 283.036

Monochromacy



Original Color
77, 1.553, 219.876

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 0.653, 256.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 1.553, 219.876 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(187, 191, 192)` looks like.

```
.text, #text, p{  
    color:rgb(187, 191, 192)  
}
```

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(187, 191, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 191, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 1.553, 219.876 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(187, 191, 192) }
```

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

```
.border{ border-color:rgb(187, 191, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 191, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 191, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 191, 192);  
box-shadow:4px 4px 4px 4px rgb(187, 191,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 1.553, 219.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 191, 192) }
```

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

```
.background{ background-color: rgb(187,  
191, 192) }
```

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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