

Converting Colors

CIELCh(77, 0.312, 199.213)

Have a look what the booklet for
CIELCh(77, 0.312, 199.213) contains.

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Color

CIELCh(77, 0.367, 200.823)

Conversions

Conversions Part 1

Format	Color
Hex	BDBEBE
RGB	189, 190, 190
RGB Percent	74%, 75%, 75%
CMY	0.2577, 0.2538, 0.2538
CMYK	0.01, 0.00, 0.00, 0.25
HSL	180°, 1%, 74%
HSV	180°, 1%, 75%
XYZ	48.8537, 51.5317, 56.2464
YIQ	189.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

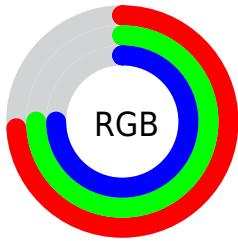
Format	Color
RYB	189, 190, 190
Decimal	12435134
CIELab	77.00, -0.34, -0.13
CIELCh	77, 0.367, 200.823
Yxy	51.5317, 0.3119, 0.3290
Android (android.graphics.Color)	4290625214 (0xFFBDBEBE)
YUV	189.7010, 0.1474, -0.6148
Hunter-Lab	71.7856, -4.1465, 3.7943

Details

The CIELCh color $77, 0.367, 200.823$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 0.372, 17.742$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 0.350, 201.227$, and $57, 0.390, 200.437$ is the 20% darker color. If you saturate the color by 10%, you get $76, 7.206, 198.632$, and if you desaturate by 10%, it is $79, 6.760, 19.604$.

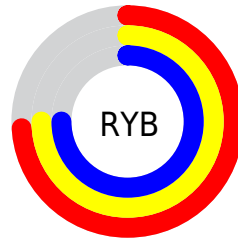
Distribution



Red (74%)

Green (75%)

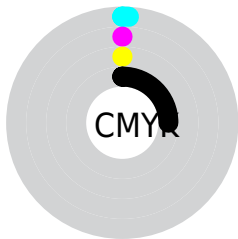
Blue (75%)



Red (74%)

Yellow (75%)

Blue (75%)

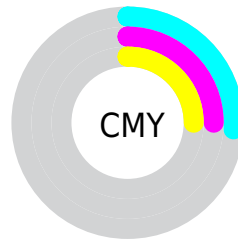


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (25%)



Cyan (26%)

Magenta (25%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 0.367, 200.823 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, 0.367, 200.823 by changing the saturation by 10% instead.

■ 77, 0.367, 200.823

■ 77, 0.367, 200.823

100, 0.367,
200.823

■ 67, 0.367, 200.823

■ 97, 0.367, 200.823

■ 57, 0.367, 200.823

■ 47, 0.367, 200.823

■ 37, 0.367, 200.823

■ 27, 0.367, 200.823

■ 17, 0.367, 200.823

■ 7, 0.367, 200.823

■ 0, 0.367, 200.823

■ 77, 0.367, 200.823

■ 77, 0.367, 200.823

76, 7.206, 198.632

79, 6.760, 19.604

74, 13.652,
198.087

80, 14.090, 20.243

73, 19.597,
197.609

82, 21.548, 20.871

72, 24.931,
197.187

83, 24.957, 21.116

72, 29.547,
196.825

83, 24.950, 20.969

71, 33.361,
196.523

83, 24.947, 20.896

71, 36.319,
196.282

83, 24.944, 20.822

70, 38.410,
196.100

70, 39.678,
195.973

Harmonies

Complementary

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



77, 0.367, 200.823



77, 0.372, 17.742

Rectangle

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



77, 0.367, 200.823



77, 0.367, 250.823



77, 0.367, 20.823



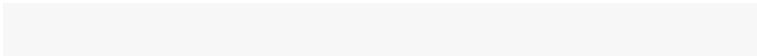
77, 0.367, 70.823

Sweetspot

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



77, 0.368, 200.549



97, 0.011, 296.813



77, 0.645, 144.351



52, 0.007, 296.813



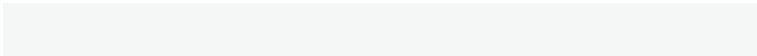
99, 0.012, 296.813

Same Dimension

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



77, 0.368, 200.549



97, 0.865, 199.826



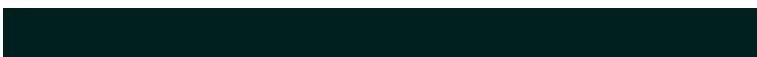
77, 0.327, 254.773



40, 0.393, 199.896



59, 35.140, 195.895



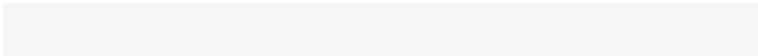
9, 11.677, 196.371

Inverse Universe

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



77, 0.372, 17.742



97, 0.873, 18.457



77, 0.314, 72.363



40, 0.397, 18.388



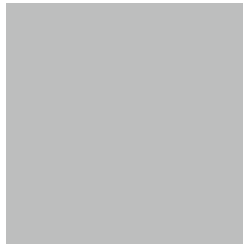
32, 72.676, 39.535



3, 12.252, 19.217

Previews

White Background



This preview shows how the CIELCh color 77, 0.367, 200.823 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, 0.367, 200.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

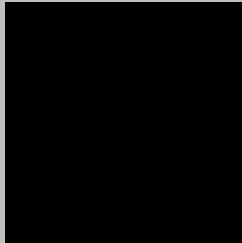
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

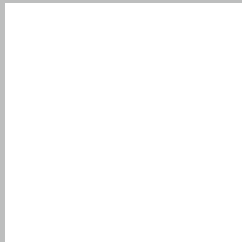
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 0.367, 200.823

Background



This preview shows how black text looks on a background with the CIELCh color 77, 0.367, 200.823.

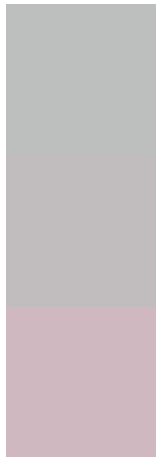


This preview shows how white text looks on a background with the CIELCh color 77, 0.367, 200.823.

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, 0.367, 200.823

Protanopia

77, 1.584, 359.402

Deuteranopia

77, 9.952, 354.744



Tritanopia
77, 8.156, 298.509

Trichromacy



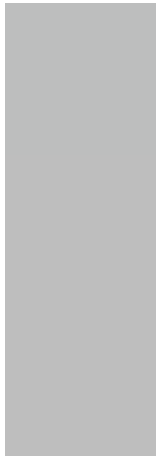
Original Color
77, 0.367, 200.823

Protanomaly
77, 1.242, 353.469

Deuteranomaly
77, 6.212, 354.309

Tritanomaly
77, 4.860, 294.913

Monochromacy



Original Color
77, 0.367, 200.823

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 0.367, 200.823 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(189, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 190)  
}
```

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(189, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 0.367, 200.823 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(189, 190, 190) }
```

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

```
.border{ border-color:rgb(189, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 190);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 0.367, 200.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 190) }
```

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

```
.background{ background-color: rgb(189,  
190, 190) }
```

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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