

Converting Colors

CIELCh(77, 1.609, 95.733)

Have a look what the booklet for
CIELCh(77, 1.609, 95.733) contains.

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Color

CIELCh(77, 1.637, 96.880)

Conversions

Conversions Part 1

Format	Color
Hex	BFBEBB
RGB	191, 190, 187
RGB Percent	75%, 75%, 73%
CMY	0.2507, 0.2546, 0.2664
CMYK	0.00, 0.01, 0.02, 0.25
HSL	45°, 3%, 74%
HSV	45°, 2%, 75%
XYZ	48.9075, 51.5317, 54.4204
YIQ	189.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

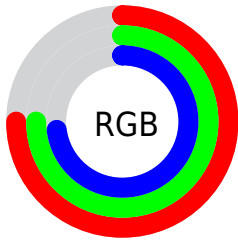
Format	Color
RYB	188, 191, 187
Decimal	12566203
CIELab	77.00, -0.20, 1.63
CIELCh	77, 1.637, 96.880
Yxy	51.5317, 0.3158, 0.3328
Android (android.graphics.Color)	4290756283 (0xFFBFBEBB)
YUV	189.9570, -1.4578, 0.9147
Hunter-Lab	71.7856, -4.0128, 5.3024

Details

The CIELCh color $77, 1.637, 96.880$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $76, 1.658, 277.639$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 1.557, 96.902$, and $57, 1.741, 96.825$ is the 20% darker color. If you saturate the color by 10%, you get $75, 9.568, 95.851$, and if you desaturate by 10%, it is $79, 6.190, 278.209$.

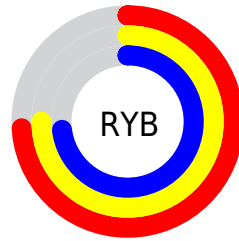
Distribution



Red (75%)

Green (75%)

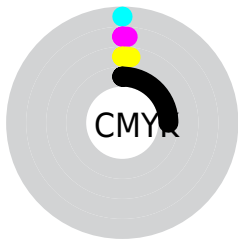
Blue (73%)



Red (74%)

Yellow (75%)

Blue (73%)

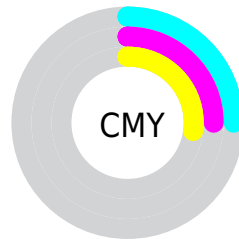


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 1.637, 96.880 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, 1.637, 96.880 by changing the saturation by 10% instead.

■ 77, 1.637, 96.880 ■ 77, 1.637, 96.880

■ 100, 1.637, 96.880 ■ 67, 1.637, 96.880

■ 97, 1.637, 96.880 ■ 57, 1.637, 96.880

■ 47, 1.637, 96.880

■ 37, 1.637, 96.880

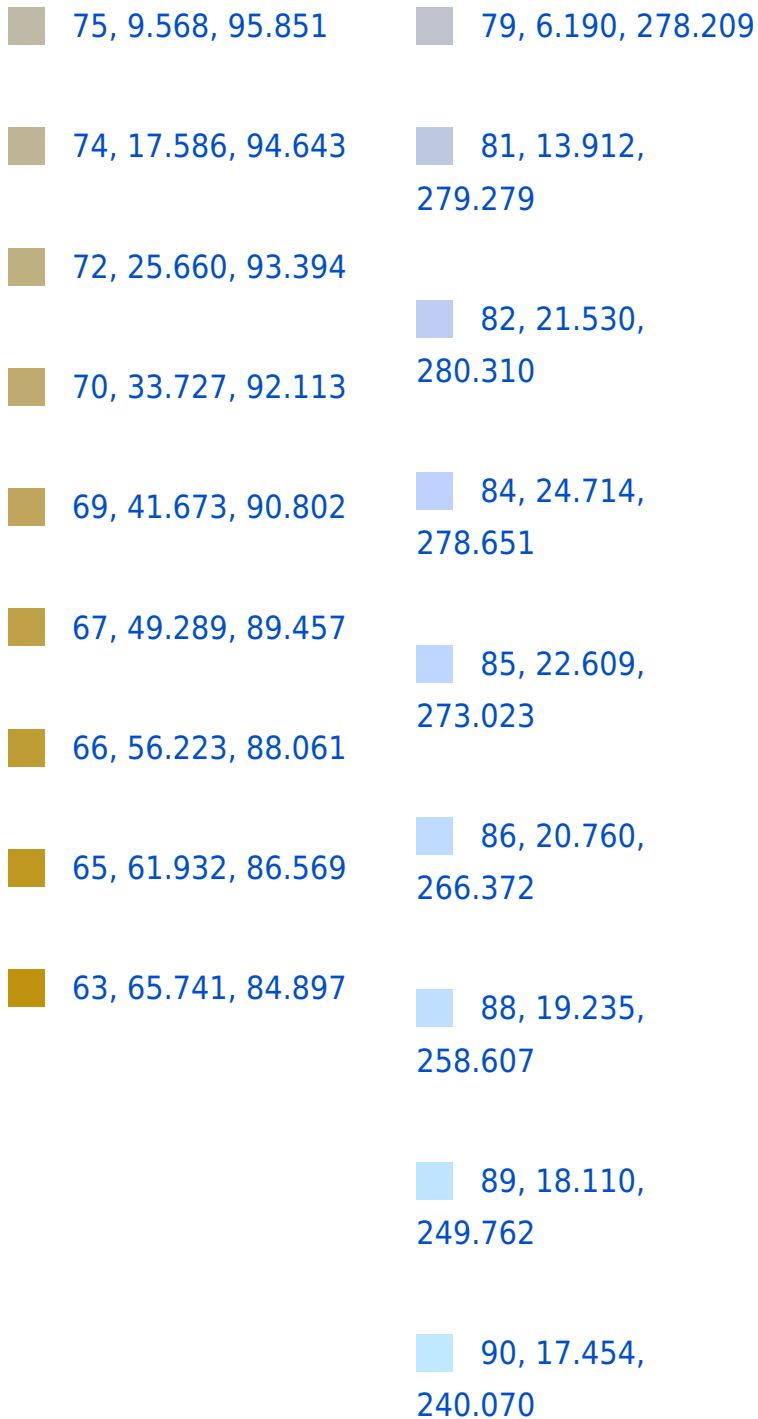
■ 27, 1.637, 96.880

■ 17, 1.637, 96.880

■ 7, 1.637, 96.880

■ 0, 1.637, 96.880

■ 77, 1.637, 96.880 ■ 77, 1.637, 96.880



Harmonies

Complementary

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



77, 1.637, 96.880



76, 1.658, 277.639

Rectangle

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



77, 1.637, 96.880



77, 1.637, 146.880



77, 1.637, 276.880



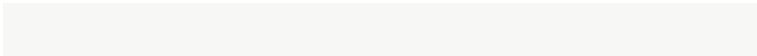
77, 1.637, 326.880

Sweetspot

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



77, 1.638, 96.938



97, 0.959, 96.944



76, 1.586, 359.407



52, 0.549, 96.938



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, 1.638, 96.938



97, 2.903, 96.862



77, 2.169, 119.796



40, 1.762, 96.795



52, 58.720, 83.758



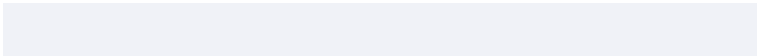
8, 12.143, 88.762

Inverse Universe

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



76, 1.658, 277.639



95, 2.929, 277.718



76, 2.196, 300.024



39, 1.777, 277.788



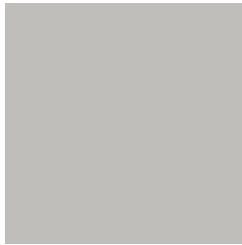
24, 76.367, 300.275



2, 14.403, 282.398

Previews

White Background



This preview shows how the CIELCh color 77, 1.637, 96.880 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, 1.637, 96.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

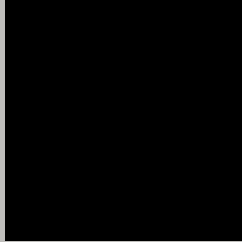
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

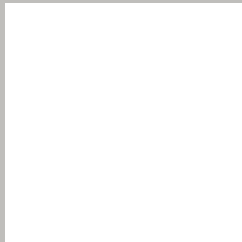
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 1.637, 96.880

Background



This preview shows how black text looks on a background with the CIELCh color 77, 1.637, 96.880.



This preview shows how white text looks on a background with the CIELCh color 77, 1.637, 96.880.

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, 1.637, 96.880

Protanopia

77, 2.136, 49.342

Deuteranopia

77, 9.663, 7.401



Tritanopia
77, 8.290, 303.449

Trichromacy



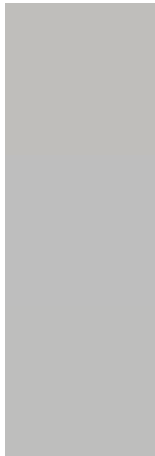
Original Color
77, 1.637, 96.880

Protanomaly
77, 1.821, 55.193

Deuteranomaly
77, 6.096, 9.721

Tritanomaly
77, 4.454, 304.776

Monochromacy



Original Color
77, 1.637, 96.880

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 0.527, 110.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 1.637, 96.880 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(191, 190, 187)` looks like.

```
.text, #text, p{  
    color:rgb(191, 190, 187)  
}
```

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(191, 190, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 190, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 1.637, 96.880 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(191, 190, 187) }
```

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

```
.border{ border-color:rgb(191, 190, 187) }
```

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

Here you see how a box with a 4 pixel rgb(191, 190, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 190, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 190, 187);  
box-shadow:4px 4px 4px 4px rgb(191, 190,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 1.637, 96.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 190, 187) }
```

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

```
.background{ background-color: rgb(191,  
190, 187) }
```

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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