

Converting Colors

CIELCh(75, 6.657, 83.326)

Have a look what the booklet for
CIELCh(75, 6.657, 83.326) contains.

CIELCh(75, 6.477, 85.201)	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(75, 6.477, 85.201)

Conversions

Conversions Part 1

Format	Color
Hex	BFB8AD
RGB	191, 184, 173
RGB Percent	75%, 72%, 68%
CMY	0.2516, 0.2791, 0.3222
CMYK	0.00, 0.04, 0.09, 0.25
HSL	37°, 12%, 71%
HSV	37°, 9%, 75%
XYZ	46.0773, 48.2781, 46.3425
YIQ	184.8390, 7.7030, -1.9370

Conversions

Conversions Part 2

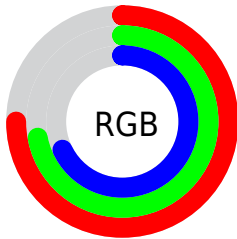
Format	Color
RYB	184, 191, 173
Decimal	12564653
CIELab	75.00, 0.54, 6.45
CIELCh	75, 6.477, 85.201
Yxy	48.2781, 0.3275, 0.3431
Android (android.graphics.Color)	4290754733 (0xFFBFB8AD)
YUV	184.8390, -5.8366, 5.4032
Hunter-Lab	69.4824, -3.2219, 9.0932

Details

The CIELCh color $75, 6.477, 85.201$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73, 6.436, 267.730$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 6.624, 87.199$, and $55, 6.391, 82.784$ is the 20% darker color. If you saturate the color by 10%, you get $73, 13.547, 83.947$, and if you desaturate by 10%, it is $77, 0.394, 267.201$.

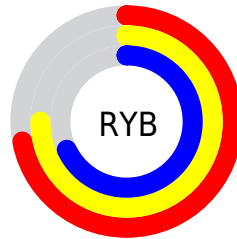
Distribution



Red (75%)

Green (72%)

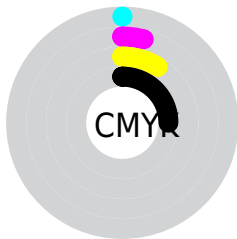
Blue (68%)



Red (72%)

Yellow (75%)

Blue (68%)

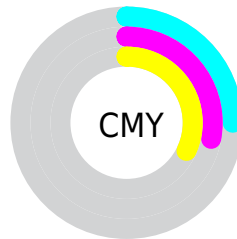


Cyan (0%)

Magenta (4%)

Yellow (9%)

Black (25%)



Cyan (25%)


Magenta (28%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 6.477, 85.201 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 75, 6.477, 85.201 by changing the saturation by 10% instead.

 75, 6.477, 85.201  75, 6.477, 85.201

 100, 6.477, 85.201  65, 6.477, 85.201

 95, 6.477, 85.201  55, 6.477, 85.201

 45, 6.477, 85.201

 35, 6.477, 85.201

 25, 6.477, 85.201

 15, 6.477, 85.201

 5, 6.477, 85.201

 0, 6.477, 85.201

 75, 6.477, 85.201  75, 6.477, 85.201

73, 13.547, 83.947

77, 0.394, 267.201

70, 20.815, 82.621

80, 7.080, 267.756

68, 28.262, 81.256

82, 13.593,
268.894

66, 35.838, 79.849

85, 19.949,
269.992

64, 43.421, 78.389

62, 50.774, 76.835

87, 20.013,
262.590

60, 57.457, 75.104

89, 18.120,
249.218

58, 62.768, 73.028

56, 66.291, 70.500

91, 17.363,
233.919

93, 17.856,
218.532

95, 19.473,
204.954

Harmonies

Complementary

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



75, 6.477, 85.201



73, 6.436, 267.730

Rectangle

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



75, 6.477, 85.201



75, 6.477, 135.201



75, 6.477, 265.201



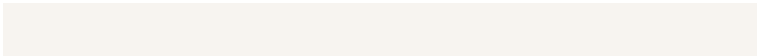
75, 6.477, 315.201

Sweetspot

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



75, 6.478, 85.219



96, 2.515, 85.934



72, 7.846, 350.211



52, 1.926, 85.860



99, 0.012, 296.813



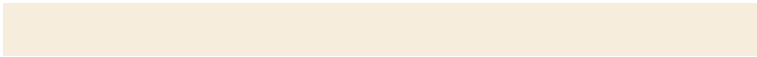
52, 0.007, 296.813

Same Dimension

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



75, 6.478, 85.219



94, 9.353, 85.003



77, 9.651, 113.350



39, 3.857, 85.229



47, 57.812, 70.869



7, 10.562, 72.686

Inverse Universe

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



73, 6.436, 267.730



91, 9.274, 267.974



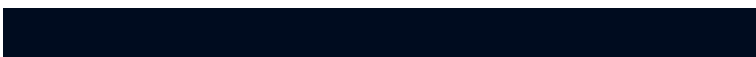
71, 9.862, 294.914



38, 3.833, 267.718



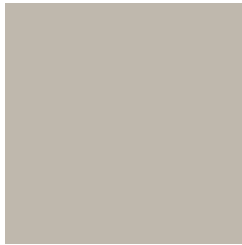
29, 61.589, 292.705



3, 12.844, 275.996

Previews

White Background



This preview shows how the CIELCh color 75, 6.477, 85.201 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 CIELCh color 75, 6.477, 85.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

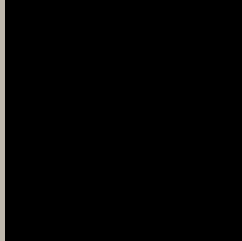
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

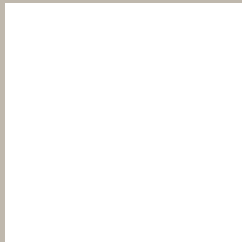
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 6.477, 85.201

Background



This preview shows how black text looks on a background with the CIELCh color 75, 6.477, 85.201.

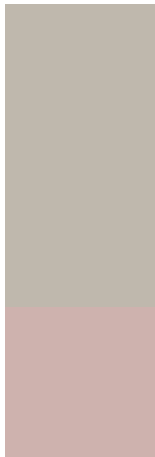


This preview shows how white text looks on a background with the CIELCh color 75, 6.477, 85.201.

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


75, 6.477, 85.201

Protanopia

75, 6.477, 85.201

Deuteranopia

75, 11.038, 31.424



Tritanopia
75, 8.984, 322.842

Trichromacy



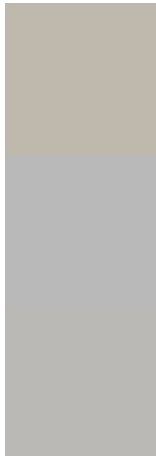
Original Color
75, 6.477, 85.201

Protanomaly
75, 6.477, 85.201

Deuteranomaly
75, 8.342, 42.625

Tritanomaly
75, 4.927, 346.576

Monochromacy



Original Color
75, 6.477, 85.201

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 2.265, 90.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 6.477, 85.201 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, 184, 173)` looks like.

```
.text, #text, p{  
    color:rgb(191, 184, 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(191, 184, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 184, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 6.477, 85.201 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, 184, 173) }
```

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

```
.border{ border-color:rgb(191, 184, 173) }
```

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

Here you see how a box with a 4 pixel rgb(191, 184, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 184, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 184, 173);  
box-shadow:4px 4px 4px 4px rgb(191, 184,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 6.477, 85.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 184, 173) }
```

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

```
.background{ background-color: rgb(191,  
184, 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](#).

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