

Converting Colors

CIELCh(67, 5.846, 77.260)

Have a look what the booklet for
CIELCh(67, 5.846, 77.260) contains.

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Color

CIELCh(67, 5.846, 77.260)

Conversions

Conversions Part 1

Format	Color
Hex	AAA299
RGB	170, 162, 153
RGB Percent	67%, 64%, 60%
CMY	0.3338, 0.3651, 0.4004
CMYK	0.00, 0.05, 0.10, 0.33
HSL	32°, 9%, 63%
HSV	32°, 10%, 67%
XYZ	35.1954, 36.6320, 35.3056
YIQ	163.3660, 7.6570, -1.1030

Conversions

Conversions Part 2

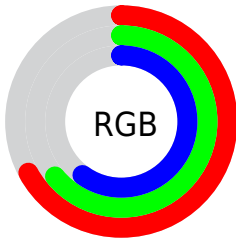
Format	Color
RYB	168, 170, 153
Decimal	11182745
CIELab	67.00, 1.29, 5.70
CIELCh	67, 5.846, 77.260
Yxy	36.6320, 0.3285, 0.3419
Android (android.graphics.Color)	4289372825 (0xFFAAA299)
YUV	163.3660, -5.1104, 5.8180
Hunter-Lab	60.5244, -2.1186, 7.7815

Details

The CIELCh color $67, 5.846, 77.260$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 5.739, 259.917$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 5.972, 80.120$, and $47, 5.804, 73.801$ is the 20% darker color. If you saturate the color by 10%, you get $64, 11.937, 76.051$, and if you desaturate by 10%, it is $70, 0.007, 312.219$.

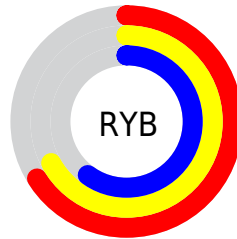
Distribution



Red (67%)

Green (64%)

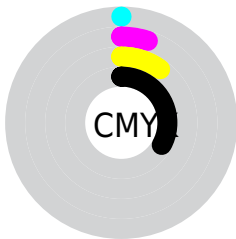
Blue (60%)



Red (66%)

Yellow (67%)

Blue (60%)

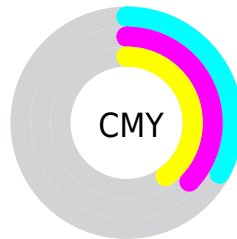


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (33%)



Cyan (33%)

Magenta (37%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 5.846, 77.260 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 67, 5.846, 77.260 by changing the saturation by 10% instead.

 67, 5.846, 77.260  67, 5.846, 77.260

 100, 5.846, 77.260  57, 5.846, 77.260

 87, 5.846, 77.260  47, 5.846, 77.260

 97, 5.846, 77.260  37, 5.846, 77.260


 27, 5.846, 77.260

 17, 5.846, 77.260

 7, 5.846, 77.260

 0, 5.846, 77.260

 67, 5.846, 77.260  67, 5.846, 77.260

 64, 11.937, 76.051  70, 0.007, 312.219

62, 18.281, 74.781

72, 5.634, 259.802

60, 24.881, 73.486

75, 11.066,
260.926

57, 31.710, 72.168

77, 16.321,
262.023

55, 38.691, 70.812

53, 45.648, 69.373

80, 21.417,
263.080

51, 52.223, 67.750

83, 26.373,
264.091

49, 57.790, 65.739

47, 62.118, 63.335

85, 24.105,
253.434

87, 22.733,
241.040

89, 22.477,
227.890

Harmonies

Complementary

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



67, 5.846, 77.260



66, 5.739, 259.917

Rectangle

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



67, 5.846, 77.260



67, 5.846, 127.260



67, 5.846, 257.260



67, 5.846, 307.260

Sweetspot

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



67, 5.847, 77.280



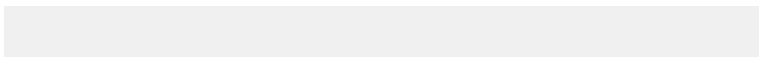
87, 2.143, 78.013



65, 7.988, 345.351



47, 1.641, 77.953



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 5.847, 77.280



85, 8.753, 77.014



69, 9.284, 109.910



34, 3.277, 77.365



41, 56.005, 63.790



4, 5.601, 70.555

Inverse Universe

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



66, 5.739, 259.917



83, 8.547, 260.227



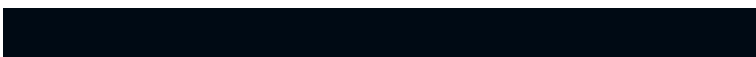
64, 9.499, 291.827



34, 3.222, 259.819



31, 50.112, 286.015



2, 6.248, 264.979

Previews

White Background



This preview shows how the CIELCh color 67, 5.846, 77.260 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 67, 5.846, 77.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

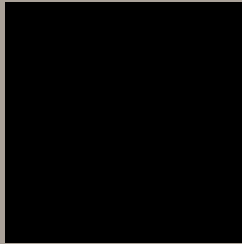
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

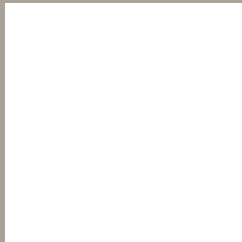
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 5.846, 77.260

Background



This preview shows how black text looks on a background with the CIELCh color 67, 5.846, 77.260.

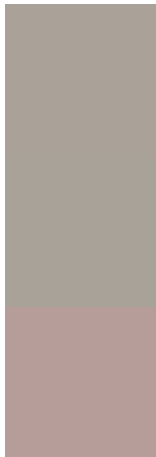


This preview shows how white text looks on a background with the CIELCh color 67, 5.846, 77.260.

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


67, 5.846, 77.260

Protanopia

67, 5.467, 84.264

Deuteranopia

67, 10.016, 29.690



Tritanopia
67, 8.949, 326.847

Trichromacy



Original Color
67, 5.846, 77.260

Protanomaly
67, 5.646, 80.647

Deuteranomaly
67, 7.970, 40.106

Tritanomaly
67, 5.368, 348.937

Monochromacy



Original Color
67, 5.846, 77.260

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 2.471, 82.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 5.846, 77.260 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(170, 162, 153)` looks like.

```
.text, #text, p{  
    color:rgb(170, 162, 153)  
}
```

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(170, 162, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 162, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 5.846, 77.260 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(170, 162, 153) }
```

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

```
.border{ border-color:rgb(170, 162, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 162, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 162, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 162, 153);  
box-shadow:4px 4px 4px 4px rgb(170, 162,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 5.846, 77.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 162, 153) }
```

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

```
.background{ background-color: rgb(170,  
162, 153) }
```

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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