

Converting Colors

CIELCh(67, 38.143, 135.762)

Have a look what the booklet for
CIELCh(67, 38.143, 135.762)
contains.

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Color

CIELCh(67, 37.873, 135.654)

Conversions

Conversions Part 1

Format	Color
Hex	81AF72
RGB	129, 175, 114
RGB Percent	51%, 69%, 45%
CMY	0.4934, 0.3130, 0.5523
CMYK	0.26, 0.00, 0.35, 0.31
HSL	105°, 28%, 57%
HSV	105°, 35%, 69%
XYZ	27.4935, 36.6320, 21.5927
YIQ	154.2920, -7.8350, -28.7230

Conversions

Conversions Part 2

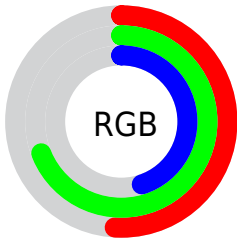
Format	Color
RYB	114, 175, 160
Decimal	8499058
CIELab	67.00, -27.08, 26.47
CIElCh	67, 37.873, 135.654
Yxy	36.6320, 0.3207, 0.4274
Android (android.graphics.Color)	4286689138 (0xFF81AF72)
YUV	154.2920, -19.8640, -22.1811
Hunter-Lab	60.5244, -24.8330, 21.2147

Details

The CIELCh color $67, 37.873, 135.654$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $55, 38.634, 318.903$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 38.196, 135.555$, and $47, 37.735, 135.510$ is the 20% darker color. If you saturate the color by 10%, you get $66, 48.426, 135.048$, and if you desaturate by 10%, it is $68, 27.051, 136.230$.

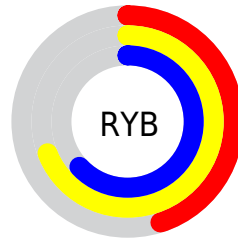
Distribution



Red (51%)

Green (69%)

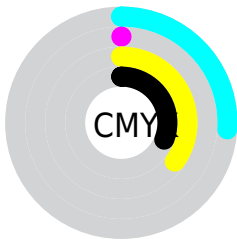
Blue (45%)



Red (45%)

Yellow (69%)

Blue (63%)

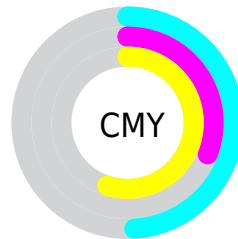


Cyan (26%)

Magenta (0%)

Yellow (35%)

Black (31%)



Cyan (49%)


Magenta (31%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.873, 135.654 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, 37.873, 135.654 by changing the saturation by 10% instead.


 67, 37.873,
135.654


 67, 37.873,
135.654


 100, 37.873,
135.654


 57, 37.873,
135.654


 87, 37.873,
135.654

 47, 37.873,
135.654

 97, 37.873,
135.654

 37, 37.873,
135.654

 27, 37.873,
135.654

 17, 37.873,
135.654

 7, 37.873, 135.654

 0, 37.873, 135.654

■ 67, 37.873,
135.654

■ 67, 37.873,
135.654

■ 66, 48.426,
135.048

■ 68, 27.051,
136.230

■ 65, 58.473,
134.447

■ 69, 16.126,
136.759

■ 64, 67.704,
133.916

■ 71, 5.222, 137.249

■ 72, 5.574, 317.594

■ 64, 75.712,
133.552

■ 74, 16.198,
317.972

■ 63, 82.039,
133.482

■ 76, 26.610,
318.284

■ 63, 86.318,
133.805

■ 77, 36.783,
318.551

■ 63, 87.999,
134.000

■ 79, 46.701,
318.779

■ 81, 48.842,
323.625

Harmonies

Complementary

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



67, 37.873, 135.654



55, 38.634, 318.903

Rectangle

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



67, 37.873, 135.654



67, 37.873, 185.654



67, 37.873, 315.654



67, 37.873, 5.654

Sweetspot

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



67, 37.874, 135.655



88, 13.397, 136.988



66, 25.948, 93.014



47, 9.220, 136.921



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 37.874, 135.655



84, 56.105, 135.177



66, 34.245, 149.550



36, 6.091, 137.031



54, 78.530, 133.862



6, 13.019, 138.795

Inverse Universe

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



55, 38.634, 318.903



66, 57.448, 319.218



56, 34.488, 334.706



34, 6.131, 317.794



29, 79.967, 319.258



2, 12.564, 314.838

Previews

White Background



This preview shows how the CIELCh color 67, 37.873, 135.654 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, 37.873, 135.654 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, 37.873, 135.654

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.873, 135.654.



This preview shows how white text looks on a background with the CIELCh color 67, 37.873, 135.654.

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, 37.873, 135.654

Protanopia
67, 29.556, 95.393

Deuteranopia
67, 26.226, 72.019



Tritanopia
67, 11.693, 236.885

Trichromacy



Original Color
67, 37.873, 135.654

Protanomaly
67, 30.557, 113.287

Deuteranomaly
66, 25.264, 101.780

Tritanomaly
67, 14.917, 166.892

Monochromacy



Original Color
67, 37.873, 135.654

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 13.927, 137.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.873, 135.654 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(129, 175, 114)` looks like.

```
.text, #text, p{  
    color:rgb(129, 175, 114)  
}
```

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(129, 175, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 175, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.873, 135.654 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(129, 175, 114) }
```

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

```
.border{ border-color:rgb(129, 175, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 175, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 175, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 175, 114);  
box-shadow:4px 4px 4px 4px rgb(129, 175,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.873, 135.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 175, 114) }
```

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

```
.background{ background-color: rgb(129,  
175, 114) }
```

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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