

Converting Colors

CIELCh(66, 36.605, 140.035)

Have a look what the booklet for
CIELCh(66, 36.605, 140.035)
contains.

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Color

CIELCh(66, 36.632, 140.032)

Conversions

Conversions Part 1

Format	Color
Hex	7AAD75
RGB	122, 173, 117
RGB Percent	48%, 68%, 46%
CMY	0.5214, 0.3214, 0.5411
CMYK	0.29, 0.00, 0.32, 0.32
HSL	115°, 25%, 57%
HSV	115°, 32%, 68%
XYZ	26.1924, 35.3238, 22.2762
YIQ	151.3670, -12.4200, -28.2280

Conversions

Conversions Part 2

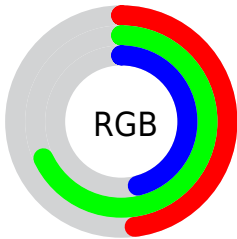
Format	Color
RYB	117, 173, 168
Decimal	8039797
CIELab	66.00, -28.07, 23.53
CIElCh	66, 36.632, 140.032
Yxy	35.3238, 0.3126, 0.4216
Android (android.graphics.Color)	4286229877 (0xFF7AAD75)
YUV	151.3670, -16.9429, -25.7549
Hunter-Lab	59.4338, -25.3447, 19.3814

Details

The CIELCh color $66, 36.632, 140.032$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $56, 36.830, 323.564$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 36.964, 139.736$, and $46, 36.489, 139.999$ is the 20% darker color. If you saturate the color by 10%, you get $65, 47.642, 139.232$, and if you desaturate by 10%, it is $67, 25.342, 140.748$.

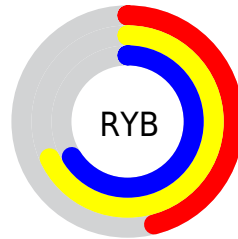
Distribution



Red (48%)

Green (68%)

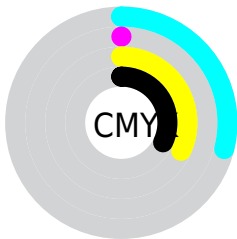
Blue (46%)



Red (46%)

Yellow (68%)

Blue (66%)

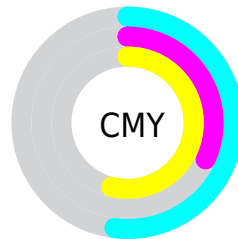


Cyan (29%)

Magenta (0%)

Yellow (32%)

Black (32%)



Cyan (52%)


Magenta (32%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.632, 140.032 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 66, 36.632, 140.032 by changing the saturation by 10% instead.


 66, 36.632,
140.032


 66, 36.632,
140.032


 100, 36.632,
140.032


 56, 36.632,
140.032


 86, 36.632,
140.032

 46, 36.632,
140.032

 96, 36.632,
140.032

 36, 36.632,
140.032

 26, 36.632,
140.032

 16, 36.632,
140.032

 6, 36.632, 140.032

 0, 36.632, 140.032

■ 66, 36.632,
140.032

■ 66, 36.632,
140.032

■ 65, 47.642,
139.232

■ 67, 25.342,
140.748

■ 64, 58.108,
138.366

■ 69, 13.965,
141.378

■ 63, 67.698,
137.482

■ 70, 2.648, 141.980

■ 63, 75.998,
136.666

■ 72, 8.502, 322.333

■ 62, 82.541,
136.040

■ 74, 19.416,
322.738

■ 62, 86.925,
135.727

■ 76, 30.048,
323.073

■ 62, 89.044,
135.593

■ 78, 40.372,
323.356

■ 80, 50.178,
323.742

■ 81, 51.251,
326.193

Harmonies

Complementary

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



66, 36.632, 140.032



56, 36.830, 323.564

Rectangle

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



66, 36.632, 140.032



66, 36.632, 190.032



66, 36.632, 320.032



66, 36.632, 10.032

Sweetspot

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



66, 36.633, 140.032



87, 13.934, 141.506



68, 27.476, 102.410



46, 9.502, 141.427



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



66, 36.633, 140.032



83, 54.309, 139.454



66, 28.090, 155.823



36, 6.392, 141.556



54, 80.265, 135.530



6, 13.536, 142.474

Inverse Universe

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



56, 36.830, 323.564



68, 54.605, 323.892



56, 28.720, 341.281



34, 6.412, 322.445



33, 78.398, 324.816



2, 13.309, 320.920

Previews

White Background



This preview shows how the CIELCh color 66, 36.632, 140.032 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 66, 36.632, 140.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

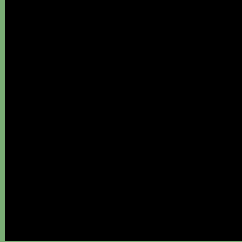
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 36.632, 140.032

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.632, 140.032.

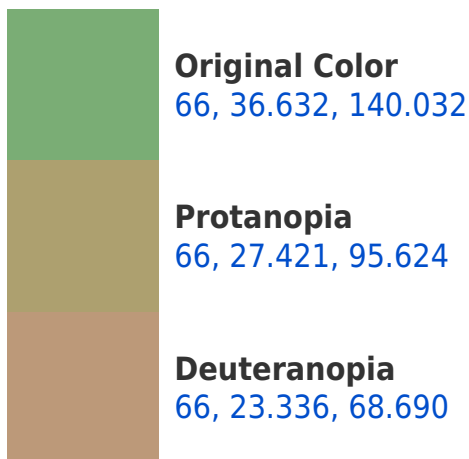


This preview shows how white text looks on a background with the CIELCh color 66, 36.632, 140.032.

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





Tritanopia
66, 13.308, 234.531

Trichromacy



Original Color
66, 36.632, 140.032

Protanomaly
66, 28.699, 116.359

Deuteranomaly
65, 22.035, 103.472

Tritanomaly
66, 15.893, 173.249

Monochromacy



Original Color
66, 36.632, 140.032

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 13.428, 142.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.632, 140.032 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(122, 173, 117)` looks like.

```
.text, #text, p{  
    color:rgb(122, 173, 117)  
}
```

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(122, 173, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 173, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.632, 140.032 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(122, 173, 117) }
```

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

```
.border{ border-color:rgb(122, 173, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 173, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 173, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 173, 117);  
box-shadow:4px 4px 4px 4px rgb(122, 173,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.632, 140.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 173, 117) }
```

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

```
.background{ background-color: rgb(122,  
173, 117) }
```

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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