

Converting Colors

CIELCh(67, 67.661, 141.702)

Have a look what the booklet for
CIELCh(67, 67.661, 141.702)
contains.

CIELCh(67, 67.687, 141.761)	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(67, 67.687, 141.761)

Conversions

Conversions Part 1

Format	Color
Hex	47B953
RGB	71, 185, 83
RGB Percent	28%, 73%, 33%
CMY	0.7219, 0.2747, 0.6747
CMYK	0.62, 0.00, 0.55, 0.27
HSL	126°, 45%, 50%
HSV	126°, 62%, 73%
XYZ	21.4880, 36.6320, 14.1100
YIQ	139.2860, -35.2020, -55.8900

Conversions

Conversions Part 2

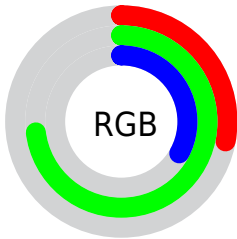
Format	Color
RYB	71, 174, 185
Decimal	4700499
CIELab	67.00, -53.16, 41.89
CIElCh	67, 67.687, 141.761
Yxy	36.6320, 0.2975, 0.5072
Android (android.graphics.Color)	4282890579 (0xFF47B953)
YUV	139.2860, -27.7490, -59.8868
Hunter-Lab	60.5244, -42.5446, 28.5448

Details

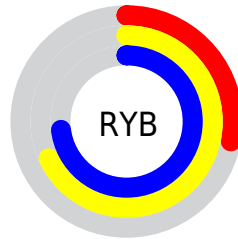
The CIELCh color $67, 67.687, 141.761$ is a dark color, and the websafe version is hex $66CC66$. A complement of this color would be $49, 66.593, 330.976$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $87, 67.577, 141.689$, and $47, 66.197, 140.151$ is the 20% darker color. If you saturate the color by 10%, you get $66, 76.323, 140.414$, and if you desaturate by 10%, it is $68, 57.914, 143.019$.

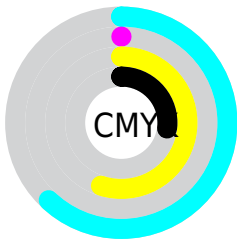
Distribution



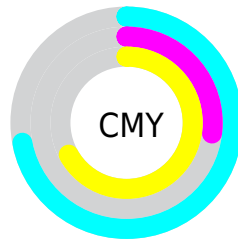
- Red (28%)
- Green (73%)
- Blue (33%)



- Red (28%)
- Yellow (68%)
- Blue (73%)



- Cyan (62%)
- Magenta (0%)
- Yellow (55%)
- Black (27%)





- Cyan (72%)
- Magenta (27%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 67.687, 141.761 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, 67.687, 141.761 by changing the saturation by 10% instead.


 67, 67.687,
141.761


 67, 67.687,
141.761


 100, 67.687,
141.761


 57, 67.687,
141.761


 87, 67.687,
141.761

 47, 67.687,
141.761

 97, 67.687,
141.761

 37, 67.687,
141.761

 27, 67.687,
141.761

 17, 67.687,
141.761

 7, 67.687, 141.761

 0, 67.687, 141.761

■ 67, 67.687,
141.761

■ 67, 67.687,
141.761

■ 66, 76.323,
140.414

■ 68, 57.914,
143.019

■ 66, 83.487,
139.051

■ 69, 47.321,
144.148

■ 66, 88.871,
137.789

■ 70, 36.195,
145.138

■ 66, 91.931,
136.974

■ 71, 24.784,
145.995

■ 73, 13.287,
146.736

■ 75, 1.861, 147.486

■ 77, 9.381, 327.850

■ 79, 20.361,
328.325

■ 81, 31.029,
328.726

Harmonies

Complementary

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



67, 67.687, 141.761



49, 66.593, 330.976

Rectangle

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



67, 67.687, 141.761



67, 67.687, 191.761



67, 67.687, 321.761



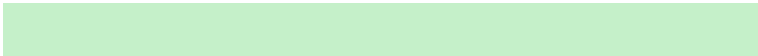
67, 67.687, 11.761

Sweetspot

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



67, 67.688, 141.761



91, 25.422, 146.255



72, 58.132, 109.422



48, 17.666, 146.031



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 67.688, 141.761



84, 96.035, 139.925



68, 45.227, 162.294



38, 6.414, 146.895



56, 80.599, 137.127



8, 17.919, 146.590

Inverse Universe

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



49, 66.593, 330.976



59, 92.513, 331.687



47, 50.323, 357.814



36, 6.428, 327.946



36, 73.630, 332.860



3, 16.901, 329.181

Previews

White Background



This preview shows how the CIE LCh color 67, 67.687, 141.761 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, 67.687, 141.761 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, 67.687, 141.761

Background



This preview shows how black text looks on a background with the CIELCh color 67, 67.687, 141.761.



This preview shows how white text looks on a background with the CIELCh color 67, 67.687, 141.761.

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, 67.687, 141.761

Protanopia
66, 46.436, 95.868

Deuteranopia
66, 39.846, 77.668



Tritanopia
67, 24.491, 216.231

Trichromacy



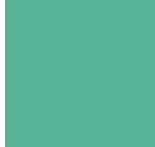
Original Color
67, 67.687, 141.761



Protanomaly
66, 49.710, 120.108



Deuteranomaly
65, 41.694, 114.107



Tritanomaly
67, 34.353, 169.767

Monochromacy



Original Color
67, 67.687, 141.761



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 26.575, 145.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 67.687, 141.761 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(71, 185, 83)` looks like.

```
.text, #text, p{  
    color:rgb(71, 185, 83)  
}
```

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(71, 185, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 185, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 67.687, 141.761 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(71, 185, 83) }
```

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

```
.border{ border-color:rgb(71, 185, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 185, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 185, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 185, 83);  
box-shadow:4px 4px 4px 4px rgb(71, 185,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 67.687, 141.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 185, 83) }
```

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

```
.background{ background-color: rgb(71, 185,  
83) }
```

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