

Converting Colors

CIELCh(67, 47.632, 145.183)

Have a look what the booklet for
CIELCh(67, 47.632, 145.183)
contains.

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Color

CIELCh(67, 47.726, 145.187)

Conversions

Conversions Part 1

Format	Color
Hex	64B470
RGB	100, 180, 112
RGB Percent	39%, 71%, 44%
CMY	0.6070, 0.2932, 0.5600
CMYK	0.44, 0.00, 0.38, 0.29
HSL	129°, 35%, 55%
HSV	129°, 44%, 71%
XYZ	24.5845, 36.6320, 21.1657
YIQ	148.3280, -25.8520, -38.1080

Conversions

Conversions Part 2

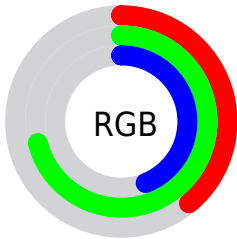
Format	Color
RYB	100, 170, 180
Decimal	6599792
CIELab	67.00, -39.18, 27.25
CIELCh	67, 47.726, 145.187
Yxy	36.6320, 0.2984, 0.4447
Android (android.graphics.Color)	4284789872 (0xFF64B470)
YUV	148.3280, -17.9097, -42.3837
Hunter-Lab	60.5244, -33.4123, 21.6330

Details

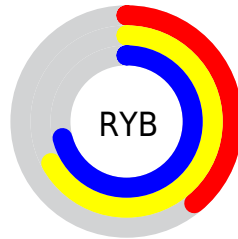
The CIELCh color $67, 47.726, 145.187$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $54, 47.664, 331.548$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 47.592, 145.004$, and $47, 47.469, 145.184$ is the 20% darker color. If you saturate the color by 10%, you get $66, 57.636, 143.993$, and if you desaturate by 10%, it is $68, 37.270, 146.233$.

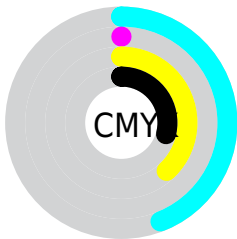
Distribution



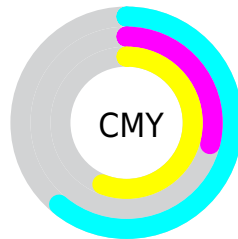
- Red (39%)
- Green (71%)
- Blue (44%)



- Red (39%)
- Yellow (67%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (38%)
- Black (29%)





- Cyan (61%)
- Magenta (29%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 47.726, 145.187 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, 47.726, 145.187 by changing the saturation by 10% instead.


 67, 47.726,
145.187

 67, 47.726,
145.187


 100, 47.726,
145.187


 57, 47.726,
145.187


 87, 47.726,
145.187

 47, 47.726,
145.187

 97, 47.726,
145.187

 37, 47.726,
145.187

 27, 47.726,
145.187

 17, 47.726,
145.187

 7, 47.726, 145.187

 0, 47.726, 145.187

■ 67, 47.726,
145.187

■ 67, 47.726,
145.187

■ 66, 57.636,
143.993

■ 68, 37.270,
146.233

■ 65, 66.739,
142.658

■ 69, 26.495,
147.140

■ 65, 74.767,
141.213

■ 71, 15.596,
147.924

■ 64, 81.451,
139.723

■ 73, 4.725, 148.631

■ 64, 86.554,
138.297

■ 74, 6.001, 329.102

■ 64, 88.748,
137.643

■ 76, 16.501,
329.627

■ 79, 26.719,
330.063

■ 81, 36.626,
330.440

■ 82, 44.811,
327.918

Harmonies

Complementary

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



67, 47.726, 145.187



54, 47.664, 331.548

Rectangle

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



67, 47.726, 145.187



67, 47.726, 195.187



67, 47.726, 325.187



67, 47.726, 15.187

Sweetspot

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



67, 47.727, 145.187



90, 17.446, 148.009



71, 42.512, 112.074



47, 12.210, 147.849



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 47.727, 145.187



84, 69.645, 144.055



68, 32.418, 166.864



37, 6.072, 148.285



55, 78.299, 137.828



7, 15.011, 147.756

Inverse Universe

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



54, 47.664, 331.548



65, 69.121, 332.148



52, 35.812, 356.773



35, 6.088, 329.359



35, 70.320, 335.135



2, 13.974, 331.108

Previews

White Background



This preview shows how the CIELCh color 67, 47.726, 145.187 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, 47.726, 145.187 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, 47.726, 145.187

Background



This preview shows how black text looks on a background with the CIELCh color 67, 47.726, 145.187.



This preview shows how white text looks on a background with the CIELCh color 67, 47.726, 145.187.

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, 47.726, 145.187

Protanopia
67, 31.645, 95.879

Deuteranopia
66, 26.078, 70.645



Tritanopia
67, 19.348, 221.842

Trichromacy



Original Color
67, 47.726, 145.187



Protanomaly
66, 34.153, 121.524



Deuteranomaly
66, 26.281, 111.943



Tritanomaly
67, 24.021, 177.106

Monochromacy



Original Color
67, 47.726, 145.187



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 17.561, 148.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 47.726, 145.187 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(100, 180, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 112)  
}
```

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(100, 180, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 47.726, 145.187 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(100, 180, 112) }
```

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

```
.border{ border-color:rgb(100, 180, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 180, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 112);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 47.726, 145.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 180, 112) }
```

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

```
.background{ background-color: rgb(100,  
180, 112) }
```

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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