

Converting Colors

CIELCh(75, 47.635, 151.566)

Have a look what the booklet for
CIELCh(75, 47.635, 151.566)
contains.

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Color

CIELCh(75, 47.911, 151.446)

Conversions

Conversions Part 1

Format	Color
Hex	6DCC8D
RGB	109, 204, 141
RGB Percent	43%, 80%, 55%
CMY	0.5731, 0.2006, 0.4476
CMYK	0.47, 0.00, 0.31, 0.20
HSL	140°, 48%, 61%
HSV	140°, 47%, 80%
XYZ	32.6453, 48.2781, 32.7448
YIQ	168.4130, -36.3970, -39.7330

Conversions

Conversions Part 2

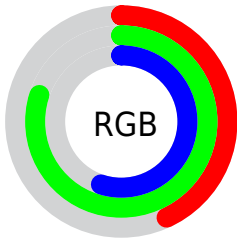
Format	Color
RYB	109, 180, 204
Decimal	7195789
CIELab	75.00, -42.08, 22.90
CIELCh	75, 47.911, 151.446
Yxy	48.2781, 0.2872, 0.4247
Android (android.graphics.Color)	4285385869 (0xFF6DCC8D)
YUV	168.4130, -13.5146, -52.1052
Hunter-Lab	69.4824, -37.7288, 20.6962

Details

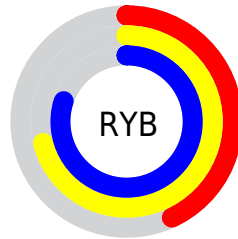
The CIELCh color **75, 47.911, 151.446** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 48.623, 339.607**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 44.124, 152.582**, and **55, 47.979, 151.256** is the 20% darker color. If you saturate the color by 10%, you get **74, 57.246, 150.083**, and if you desaturate by 10%, it is **76, 38.025, 152.635**.

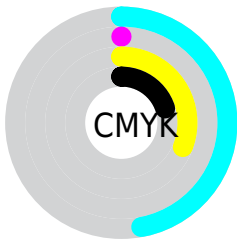
Distribution



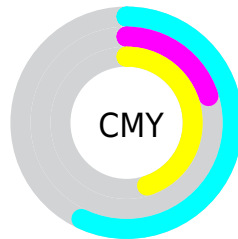
- Red (43%)
- Green (80%)
- Blue (55%)



- Red (43%)
- Yellow (71%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (31%)
- Black (20%)




- Cyan (57%)
- Magenta (20%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 47.911, 151.446 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 75, 47.911, 151.446 by changing the saturation by 10% instead.

 75, 47.911,
151.446

 75, 47.911,
151.446


 100, 47.911,
151.446

 65, 47.911,
151.446


 95, 47.911,
151.446

 55, 47.911,
151.446

 45, 47.911,
151.446

 35, 47.911,
151.446

 25, 47.911,
151.446

 15, 47.911,
151.446

 5, 47.911, 151.446

■ 0, 47.911, 151.446

■ 75, 47.911,
151.446

■ 75, 47.911,
151.446

■ 74, 57.246,
150.083

■ 76, 38.025,
152.635

■ 73, 65.835,
148.530

■ 78, 27.776,
153.671

■ 73, 73.516,
146.785

■ 79, 17.341,
154.580

■ 72, 80.170,
144.867

■ 81, 6.867, 155.401

■ 72, 85.759,
142.838

■ 83, 3.525, 335.944

■ 85, 13.747,
336.637

■ 72, 87.481,
142.184

■ 87, 23.737,

337.201

■ 88, 29.607,
328.982

■ 88, 32.072,
325.540

Harmonies

Complementary

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



75, 47.911, 151.446



59, 48.623, 339.607

Rectangle

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



75, 47.911, 151.446



75, 47.911, 201.446



75, 47.911, 331.446



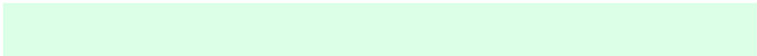
75, 47.911, 21.446

Sweetspot

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



75, 47.912, 151.446



97, 17.527, 154.784



78, 50.686, 120.530



51, 12.107, 154.600



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 47.912, 151.446



91, 67.903, 150.064



76, 31.995, 181.491



42, 5.914, 155.175



59, 74.450, 142.514



12, 24.083, 149.536

Inverse Universe

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



59, 48.623, 339.607



68, 68.482, 340.676



57, 39.997, 11.988



40, 5.950, 336.446



36, 65.484, 347.485



4, 22.092, 343.043

Previews

White Background



This preview shows how the CIELCh color 75, 47.911, 151.446 looks on a white background.

Color Contrast Check

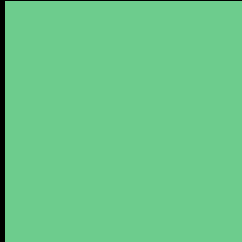
Large Text (above 18pt) WCAG AA × Fail

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 75, 47.911, 151.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

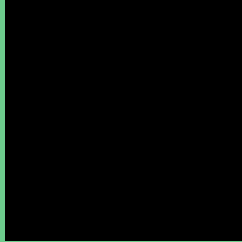
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 47.911, 151.446

Background



This preview shows how black text looks on a background with the CIELCh color 75, 47.911, 151.446.

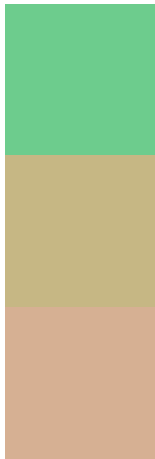


This preview shows how white text looks on a background with the CIELCh color 75, 47.911, 151.446.

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
75, 47.911, 151.446

Protanopia
75, 28.003, 94.728

Deuteranopia
74, 22.228, 64.358



Tritanopia
75, 23.063, 220.125

Trichromacy



Original Color
75, 47.911, 151.446



Protanomaly
74, 31.458, 125.770



Deuteranomaly
74, 22.337, 118.293

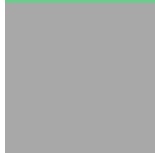


Tritanomaly
75, 27.110, 182.247

Monochromacy



Original Color
75, 47.911, 151.446



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 18.260, 154.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 47.911, 151.446 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(109, 204, 141)` looks like.

```
.text, #text, p{  
    color:rgb(109, 204, 141)  
}
```

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(109, 204, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 204, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 47.911, 151.446 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(109, 204, 141) }
```

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

```
.border{ border-color:rgb(109, 204, 141) }
```

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

Here you see how a box with a 4 pixel rgb(109, 204, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 204, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 204, 141);  
box-shadow:4px 4px 4px 4px rgb(109, 204,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 47.911, 151.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 204, 141) }
```

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

```
.background{ background-color: rgb(109,  
204, 141) }
```

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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