

Converting Colors

CIELCh(73, 46.847, 149.602)

Have a look what the booklet for
CIELCh(73, 46.847, 149.602)
contains.

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Color

CIELCh(73, 47.266, 149.508)

Conversions

Conversions Part 1

Format	Color
Hex	6DC686
RGB	109, 198, 134
RGB Percent	43%, 78%, 53%
CMY	0.5739, 0.2249, 0.4758
CMYK	0.45, 0.00, 0.32, 0.22
HSL	137°, 44%, 60%
HSV	137°, 45%, 78%
XYZ	30.6548, 45.1644, 29.5341
YIQ	164.0930, -32.5000, -38.7720

Conversions

Conversions Part 2

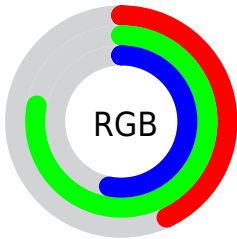
Format	Color
RYB	109, 178, 198
Decimal	7194246
CIELab	73.00, -40.73, 23.98
CIELCh	73, 47.266, 149.508
Yxy	45.1644, 0.2910, 0.4287
Android (android.graphics.Color)	4285384326 (0xFF6DC686)
YUV	164.0930, -14.8358, -48.3166
Hunter-Lab	67.2044, -36.1863, 20.9871

Details

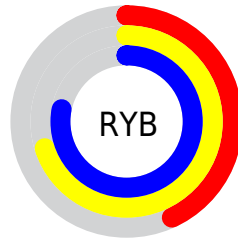
The CIELCh color $73, 47.266, 149.508$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $58, 47.642, 336.865$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $93, 46.847, 149.615$, and $53, 46.919, 149.680$ is the 20% darker color. If you saturate the color by 10%, you get $72, 56.912, 148.209$, and if you desaturate by 10%, it is $74, 37.096, 150.639$.

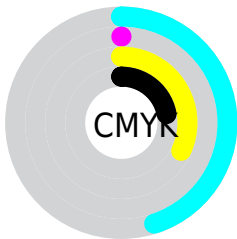
Distribution



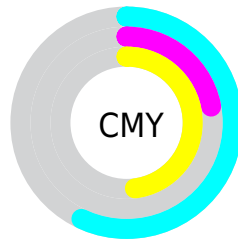
- Red (43%)
- Green (78%)
- Blue (53%)



- Red (43%)
- Yellow (70%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)





- Cyan (57%)
- Magenta (22%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 47.266, 149.508 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 73, 47.266, 149.508 by changing the saturation by 10% instead.

 73, 47.266,
149.508

 73, 47.266,
149.508


 100, 47.266,
149.508

 63, 47.266,
149.508


 93, 47.266,
149.508

 53, 47.266,
149.508

 43, 47.266,
149.508

 33, 47.266,
149.508

 23, 47.266,
149.508

 13, 47.266,
149.508

 3, 47.266, 149.508

■ 0, 47.266, 149.508

■ 73, 47.266,
149.508

■ 73, 47.266,
149.508

■ 72, 56.912,
148.209

■ 74, 37.096,
150.639

■ 71, 65.824,
146.730

■ 76, 26.599,
151.622

■ 71, 73.807,
145.074

■ 77, 15.954,
152.480

■ 70, 80.704,
143.268

■ 79, 5.308, 153.261

■ 70, 86.412,
141.376

■ 81, 5.223, 333.783

■ 70, 88.869,
140.493

■ 83, 15.557,
334.395

■ 85, 25.635,

334.910

■ 86, 32.838,
329.668

■ 86, 35.974,
325.675

Harmonies

Complementary

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



73, 47.266, 149.508



58, 47.642, 336.865

Rectangle

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



73, 47.266, 149.508



73, 47.266, 199.508



73, 47.266, 329.508



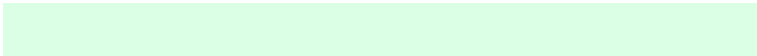
73, 47.266, 19.508

Sweetspot

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



73, 47.267, 149.508



97, 18.272, 152.545



76, 47.258, 117.844



51, 12.623, 152.368



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 47.267, 149.508



91, 68.708, 148.238



74, 31.803, 176.198



41, 6.036, 152.922



58, 76.587, 140.780



11, 23.136, 148.999

Inverse Universe

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



58, 47.642, 336.865



69, 68.823, 337.741



57, 37.797, 6.603



39, 6.064, 334.128



36, 67.035, 343.332



4, 20.901, 339.436

Previews

White Background



This preview shows how the CIELCh color 73, 47.266, 149.508 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 73, 47.266, 149.508 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 73, 47.266, 149.508

Background



This preview shows how black text looks on a background with the CIELCh color 73, 47.266, 149.508.



This preview shows how white text looks on a background with the CIELCh color 73, 47.266, 149.508.

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
73, 47.266, 149.508

Protanopia
73, 29.083, 95.754

Deuteranopia
73, 22.909, 66.704



Tritanopia
73, 21.714, 220.202

Trichromacy



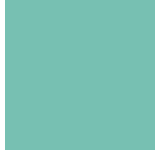
Original Color
73, 47.266, 149.508



Protanomaly
72, 31.876, 124.088



Deuteranomaly
72, 23.422, 116.770



Tritanomaly
73, 26.044, 180.315

Monochromacy



Original Color
73, 47.266, 149.508



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 17.575, 152.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 47.266, 149.508 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, 198, 134)` looks like.

```
.text, #text, p{  
    color:rgb(109, 198, 134)  
}
```

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, 198, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 198, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 47.266, 149.508 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, 198, 134) }
```

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

```
.border{ border-color:rgb(109, 198, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 198, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 198, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 198, 134);  
box-shadow:4px 4px 4px 4px rgb(109, 198,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 47.266, 149.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 198, 134) }
```

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

```
.background{ background-color: rgb(109,  
198, 134) }
```

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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