

Converting Colors

CIELCh(69, 47.007, 151.836)

Have a look what the booklet for
CIELCh(69, 47.007, 151.836)
contains.

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Color

CIELCh(69, 46.995, 152.012)

Conversions

Conversions Part 1

Format	Color
Hex	5DBB7F
RGB	93, 187, 127
RGB Percent	36%, 73%, 50%
CMY	0.6357, 0.2671, 0.5024
CMYK	0.50, 0.00, 0.32, 0.27
HSL	142°, 41%, 55%
HSV	142°, 50%, 73%
XYZ	26.0735, 39.3444, 26.2635
YIQ	152.0540, -36.7640, -38.5880

Conversions

Conversions Part 2

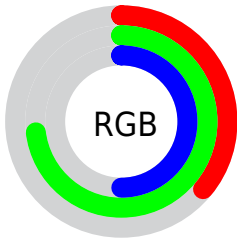
Format	Color
RYB	93, 162, 187
Decimal	6142847
CIELab	69.00, -41.50, 22.05
CIELCh	69, 46.995, 152.012
Yxy	39.3444, 0.2844, 0.4291
Android (android.graphics.Color)	4284332927 (0xFF5DBB7F)
YUV	152.0540, -12.3516, -51.7904
Hunter-Lab	62.7251, -35.5702, 19.0824

Details

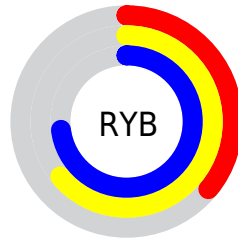
The CIELCh color **69, 46.995, 152.012** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **53, 47.840, 341.203**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 47.088, 151.899**, and **49, 47.181, 151.816** is the 20% darker color. If you saturate the color by 10%, you get **68, 55.291, 150.581**, and if you desaturate by 10%, it is **70, 38.135, 153.263**.

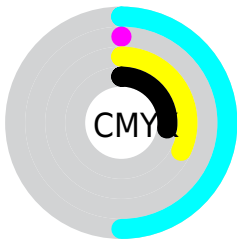
Distribution



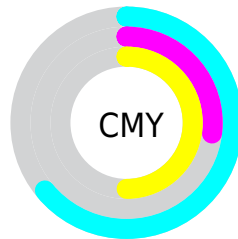
- Red (36%)
- Green (73%)
- Blue (50%)



- Red (36%)
- Yellow (64%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 46.995, 152.012 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 69, 46.995, 152.012 by changing the saturation by 10% instead.

 69, 46.995,
152.012

 69, 46.995,
152.012

 100, 46.995,
152.012

 59, 46.995,
152.012

 89, 46.995,
152.012

 49, 46.995,
152.012

 99, 46.995,
152.012

 39, 46.995,
152.012

 29, 46.995,
152.012

 19, 46.995,
152.012

 9, 46.995, 152.012

 0, 46.995, 152.012

■ 69, 46.995,
152.012

■ 69, 46.995,
152.012

■ 68, 55.291,
150.581

■ 70, 38.135,
153.263

■ 68, 62.860,
148.957

■ 71, 28.880,
154.357

■ 67, 69.573,
147.139

■ 73, 19.394,
155.316

■ 67, 75.354,
145.152

■ 74, 9.820, 156.171

■ 66, 80.153,
143.185

■ 76, 0.277, 158.107

■ 78, 9.147, 337.497

■ 80, 18.383,
338.106

■ 82, 27.388,
338.646

■ 83, 34.635,
336.419

Harmonies

Complementary

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



69, 46.995, 152.012



53, 47.840, 341.203

Rectangle

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



69, 46.995, 152.012



69, 46.995, 202.012



69, 46.995, 332.012



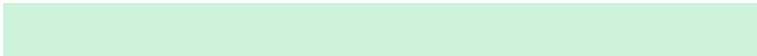
69, 46.995, 22.012

Sweetspot

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



69, 46.996, 152.012



93, 17.686, 155.759



72, 50.912, 121.055



49, 12.168, 155.576



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 46.996, 152.012



86, 67.825, 150.478



70, 31.380, 182.594



39, 5.444, 156.248



57, 70.361, 143.477



9, 18.091, 152.344

Inverse Universe

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



53, 47.840, 341.203



63, 68.461, 342.458



51, 40.430, 13.994



37, 5.481, 337.533



34, 62.426, 349.344



3, 15.293, 343.410

Previews

White Background



This preview shows how the CIE LCh color 69, 46.995, 152.012 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 69, 46.995, 152.012 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 69, 46.995, 152.012

Background



This preview shows how black text looks on a background with the CIELCh color 69, 46.995, 152.012.

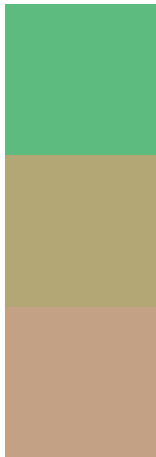


This preview shows how white text looks on a background with the CIELCh color 69, 46.995, 152.012.

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
69, 46.995, 152.012

Protanopia
68, 27.218, 95.781

Deuteranopia
69, 21.053, 66.362



Tritanopia
69, 22.854, 217.644

Trichromacy



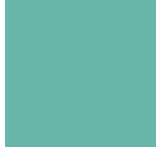
Original Color
69, 46.995, 152.012



Protanomaly
68, 30.608, 127.333



Deuteranomaly
68, 21.814, 120.800



Tritanomaly
69, 27.237, 181.918

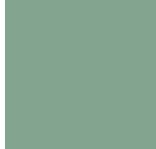
Monochromacy



Original Color
69, 46.995, 152.012



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 17.907, 154.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 46.995, 152.012 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(93, 187, 127)` looks like.

```
.text, #text, p{  
    color:rgb(93, 187, 127)  
}
```

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(93, 187, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 187, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 46.995, 152.012 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(93, 187, 127) }
```

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

```
.border{ border-color:rgb(93, 187, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 187, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 187, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 187, 127);  
box-shadow:4px 4px 4px 4px rgb(93, 187,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 46.995, 152.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 187, 127) }
```

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

```
.background{ background-color: rgb(93, 187,  
127) }
```

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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