

Converting Colors

CIELCh(69, 46.615, 152.340)

Have a look what the booklet for
CIELCh(69, 46.615, 152.340)
contains.

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Color

CIELCh(69, 46.589, 152.455)

Conversions

Conversions Part 1

Format	Color
Hex	5DBB80
RGB	93, 187, 128
RGB Percent	36%, 73%, 50%
CMY	0.6359, 0.2673, 0.4986
CMYK	0.50, 0.00, 0.32, 0.27
HSL	142°, 41%, 55%
HSV	142°, 50%, 73%
XYZ	26.1195, 39.3444, 26.5871
YIQ	152.1680, -37.0850, -38.2770

Conversions

Conversions Part 2

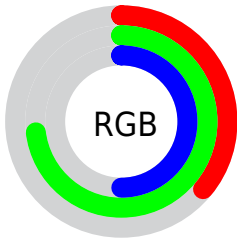
Format	Color
RYB	93, 161, 187
Decimal	6142848
CIELab	69.00, -41.31, 21.54
CIElCh	69, 46.589, 152.455
Yxy	39.3444, 0.2837, 0.4274
Android (android.graphics.Color)	4284332928 (0xFF5DBB80)
YUV	152.1680, -11.9148, -51.8903
Hunter-Lab	62.7251, -35.4395, 18.7765

Details

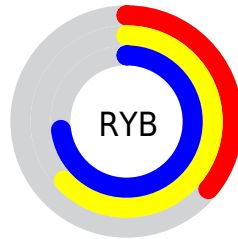
The CIELCh color **69, 46.589, 152.455** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **53, 47.525, 341.755**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 46.700, 152.320**, and **49, 46.756, 152.279** is the 20% darker color. If you saturate the color by 10%, you get **68, 54.802, 151.018**, and if you desaturate by 10%, it is **70, 37.815, 153.712**.

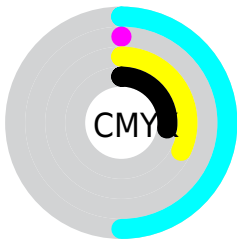
Distribution



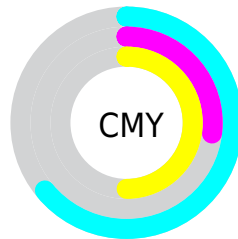
- Red (36%)
- Green (73%)
- Blue (50%)



- Red (36%)
- Yellow (63%)
- 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, 46.589, 152.455 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, 46.589, 152.455 by changing the saturation by 10% instead.

 69, 46.589,
152.455

 69, 46.589,
152.455


 100, 46.589,
152.455


 59, 46.589,
152.455

 89, 46.589,
152.455

 49, 46.589,
152.455

 99, 46.589,
152.455

 39, 46.589,
152.455

 29, 46.589,
152.455

 19, 46.589,
152.455

 9, 46.589, 152.455

 0, 46.589, 152.455

69, 46.589,
152.455

69, 46.589,
152.455

68, 54.802,
151.018

70, 37.815,
153.712

68, 62.293,
149.388

71, 28.647,
154.811

67, 68.940,
147.561

73, 19.245,
155.776

67, 74.671,
145.561

74, 9.753, 156.638

66, 79.437,
143.576

76, 0.287, 158.547

78, 9.063, 337.977

80, 18.231,
338.594

82, 27.172,
339.142

■ 83, 34.364,
336.966

Harmonies

Complementary

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



69, 46.589, 152.455



53, 47.525, 341.755

Rectangle

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



69, 46.589, 152.455



69, 46.589, 202.455



69, 46.589, 332.455



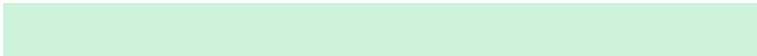
69, 46.589, 22.455

Sweetspot

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



69, 46.590, 152.455



93, 17.544, 156.223



72, 51.102, 121.724



49, 12.070, 156.039



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, 46.590, 152.455



86, 67.226, 150.917



70, 31.033, 184.095



39, 5.401, 156.716



57, 69.745, 143.871



9, 17.984, 152.644

Inverse Universe

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



53, 47.525, 341.755



63, 68.026, 343.044



51, 40.491, 15.263



37, 5.440, 338.015



34, 62.081, 350.205



3, 15.169, 344.040

Previews

White Background



This preview shows how the CIELCh color 69, 46.589, 152.455 looks on a white background.

Color Contrast Check

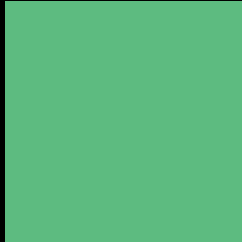
Large Text (above 18pt) WCAG AA × Fail

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, 46.589, 152.455 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, 46.589, 152.455

Background



This preview shows how black text looks on a background with the CIELCh color 69, 46.589, 152.455.



This preview shows how white text looks on a background with the CIELCh color 69, 46.589, 152.455.

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, 46.589, 152.455

Protanopia
69, 26.693, 95.625

Deuteranopia
69, 20.630, 65.446



Tritanopia
69, 22.854, 217.644

Trichromacy



Original Color
69, 46.589, 152.455



Protanomaly
68, 30.108, 127.699



Deuteranomaly
68, 21.289, 121.153



Tritanomaly
69, 27.237, 181.918

Monochromacy



Original Color
69, 46.589, 152.455



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 18.176, 155.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 46.589, 152.455 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(93, 187, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 187, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 46.589, 152.455 is called "border". The border property can be set on classes, ids or directly on the HTML element.

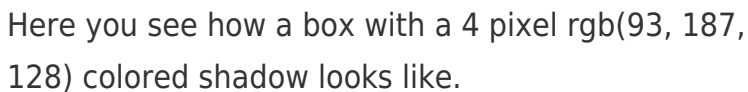
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 187, 128) }
```

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

```
.border{ border-color:rgb(93, 187, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(93, 187, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(93, 187, 128); box-shadow:4px 4px 4px 4px rgb(93, 187, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 46.589, 152.455 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, 128) }
```

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

```
.background{ background-color: rgb(93, 187,  
128) }
```

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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