

Converting Colors

CIELCh(69, 41.646, 164.650)

Have a look what the booklet for
CIELCh(69, 41.646, 164.650)
contains.

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Color

CIELCh(69, 41.711, 164.458)

Conversions

Conversions Part 1

Format	Color
Hex	51BB93
RGB	81, 187, 147
RGB Percent	32%, 73%, 58%
CMY	0.6828, 0.2671, 0.4239
CMYK	0.57, 0.00, 0.21, 0.27
HSL	157°, 44%, 53%
HSV	157°, 57%, 73%
XYZ	26.3909, 39.3444, 33.7668
YIQ	150.7460, -50.3360, -34.9120

Conversions

Conversions Part 2

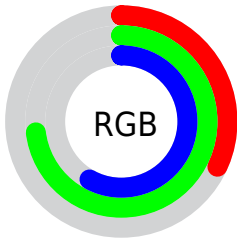
Format	Color
RYB	81, 146, 187
Decimal	5356435
CIELab	69.00, -40.19, 11.18
CIElCh	69, 41.711, 164.458
Yxy	39.3444, 0.2652, 0.3954
Android (android.graphics.Color)	4283546515 (0xFF51BB93)
YUV	150.7460, -1.8468, -61.1672
Hunter-Lab	62.7251, -34.6670, 11.9900

Details

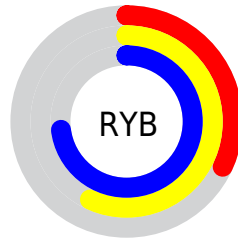
The CIELCh color **69, 41.711, 164.458** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **49, 46.828, 358.376**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 41.927, 164.467**, and **49, 41.866, 164.185** is the 20% darker color. If you saturate the color by 10%, you get **68, 47.503, 162.871**, and if you desaturate by 10%, it is **70, 35.262, 165.870**.

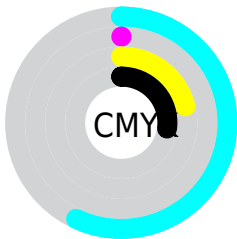
Distribution



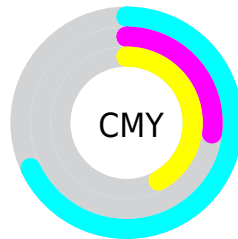
- Red (32%)
- Green (73%)
- Blue (58%)



- Red (32%)
- Yellow (57%)
- Blue (73%)



- Cyan (57%)
- Magenta (0%)
- Yellow (21%)
- Black (27%)



- Cyan (68%)
- Magenta (27%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 41.711, 164.458 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, 41.711, 164.458 by changing the saturation by 10% instead.

 69, 41.711,
164.458

 69, 41.711,
164.458

 100, 41.711,
164.458

 59, 41.711,
164.458


 89, 41.711,
164.458


 49, 41.711,
164.458


 99, 41.711,
164.458

 39, 41.711,
164.458

 29, 41.711,
164.458

 19, 41.711,
164.458

 9, 41.711, 164.458

 0, 41.711, 164.458

■ 69, 41.711,
164.458

■ 69, 41.711,
164.458

■ 68, 47.503,
162.871

■ 70, 35.262,
165.870

■ 68, 52.554,
161.091

■ 71, 28.269,
167.136

■ 67, 56.837,
159.104

■ 72, 20.863,
168.278

■ 67, 60.410,
156.927

■ 73, 13.172,
169.323

■ 67, 61.517,
156.222

■ 75, 5.315, 170.317

■ 76, 2.607, 350.946

■ 78, 10.514,
351.883

■ 80, 18.341,
352.663

■ 82, 26.043,
353.388

Harmonies

Complementary

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



69, 41.711, 164.458



49, 46.828, 358.376

Rectangle

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



69, 41.711, 164.458



69, 41.711, 214.458



69, 41.711, 344.458



69, 41.711, 34.458

Sweetspot

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



69, 41.712, 164.457



92, 16.530, 169.267



70, 60.996, 130.415



49, 11.130, 169.062



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, 41.712, 164.457



86, 59.258, 162.465



66, 28.175, 211.509



39, 4.516, 170.052



57, 54.050, 156.538



9, 15.163, 163.057

Inverse Universe

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



49, 46.828, 358.376



58, 67.229, 1.419



51, 44.053, 33.900



37, 4.609, 351.631



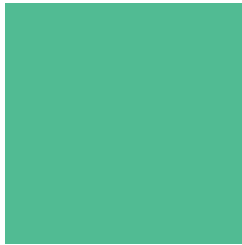
33, 59.515, 13.160



3, 13.175, 358.588

Previews

White Background



This preview shows how the CIELCh color 69, 41.711, 164.458 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, 41.711, 164.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

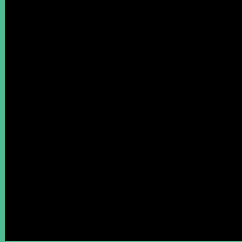
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 41.711, 164.458

Background



This preview shows how black text looks on a background with the CIELCh color 69, 41.711, 164.458.

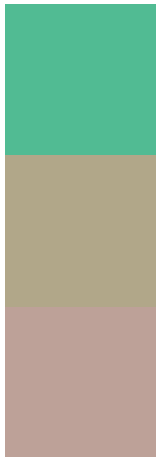


This preview shows how white text looks on a background with the CIELCh color 69, 41.711, 164.458.

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](#).

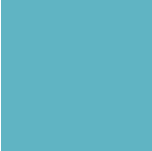
Dichromacy



Original Color
69, 41.711, 164.458

Protanopia
69, 16.892, 94.537

Deuteranopia
68, 12.249, 43.872



Tritanopia
69, 26.388, 215.930

Trichromacy



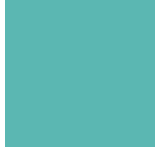
Original Color
69, 41.711, 164.458



Protanomaly
68, 21.990, 142.502



Deuteranomaly
68, 13.477, 143.764



Tritanomaly
69, 29.157, 191.641

Monochromacy



Original Color
69, 41.711, 164.458



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 16.226, 169.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 41.711, 164.458 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(81, 187, 147)` looks like.

```
.text, #text, p{  
    color:rgb(81, 187, 147)  
}
```

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(81, 187, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 187, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 41.711, 164.458 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(81, 187, 147) }
```

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

```
.border{ border-color:rgb(81, 187, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 187, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 187, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 187, 147);  
box-shadow:4px 4px 4px 4px rgb(81, 187,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 41.711, 164.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 187, 147) }
```

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

```
.background{ background-color: rgb(81, 187,  
147) }
```

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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