

Converting Colors

CIELCh(69, 51.986, 157.109)

Have a look what the booklet for
CIELCh(69, 51.986, 157.109)
contains.

CIELCh(69, 51.778, 157.184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 51.778, 157.184)

Conversions

Conversions Part 1

Format	Color
Hex	42BD82
RGB	66, 189, 130
RGB Percent	26%, 74%, 51%
CMY	0.7395, 0.2574, 0.4889
CMYK	0.65, 0.00, 0.31, 0.26
HSL	151°, 48%, 50%
HSV	151°, 65%, 74%
XYZ	24.6026, 39.3444, 27.5340
YIQ	145.4970, -54.3690, -44.4250

Conversions

Conversions Part 2

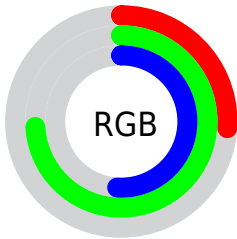
Format	Color
RYB	66, 147, 189
Decimal	4373890
CIELab	69.00, -47.73, 20.08
CIELCh	69, 51.778, 157.184
Yxy	39.3444, 0.2689, 0.4301
Android (android.graphics.Color)	4282563970 (0xFF42BD82)
YUV	145.4970, -7.6400, -69.7189
Hunter-Lab	62.7251, -39.7561, 17.8814

Details

The CIELCh color **69, 51.778, 157.184** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **47, 55.064, 352.881**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 51.704, 157.066**, and **49, 49.563, 154.960** is the 20% darker color. If you saturate the color by 10%, you get **68, 57.867, 155.405**, and if you desaturate by 10%, it is **70, 44.957, 158.759**.

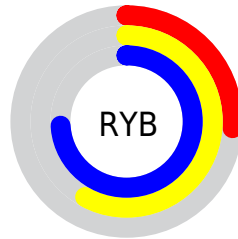
Distribution



Red (26%)

Green (74%)

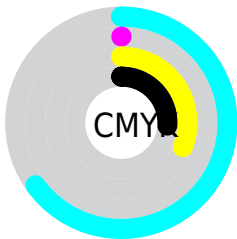
Blue (51%)



Red (26%)

Yellow (58%)

Blue (74%)

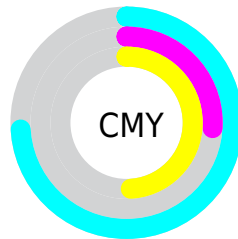


Cyan (65%)

Magenta (0%)

Yellow (31%)

Black (26%)



Cyan (74%)


Magenta (26%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 51.778, 157.184 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, 51.778, 157.184 by changing the saturation by 10% instead.


 69, 51.778,
157.184


 69, 51.778,
157.184


 100, 51.778,
157.184


 59, 51.778,
157.184


 89, 51.778,
157.184

 49, 51.778,
157.184

 99, 51.778,
157.184

 39, 51.778,
157.184

 29, 51.778,
157.184

 19, 51.778,
157.184

 9, 51.778, 157.184

 0, 51.778, 157.184

■ 69, 51.778,
157.184

■ 69, 51.778,
157.184

■ 68, 57.867,
155.405

■ 70, 44.957,
158.759

■ 68, 63.163,
153.416

■ 71, 37.509,
160.151

■ 68, 67.682,
151.230

■ 72, 29.572,
161.384

■ 68, 69.796,
150.119

■ 73, 21.289,
162.483

■ 74, 12.797,
163.474

■ 76, 4.217, 164.421

■ 78, 4.354, 345.040

■ 79, 12.837,
345.837

■ 81, 21.175,
346.530

Harmonies

Complementary

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



69, 51.778, 157.184



47, 55.064, 352.881

Rectangle

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



69, 51.778, 157.184



69, 51.778, 207.184



69, 51.778, 337.184



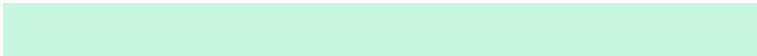
69, 51.778, 27.184

Sweetspot

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



69, 51.779, 157.184



94, 20.222, 163.050



70, 67.350, 126.925



50, 14.013, 162.760



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 51.779, 157.184



87, 73.670, 154.563



70, 33.936, 198.742



39, 4.849, 163.995



57, 60.653, 150.461



9, 16.382, 157.871

Inverse Universe

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



47, 55.064, 352.881



57, 76.719, 356.420



46, 55.689, 29.566



37, 4.915, 345.474



34, 59.178, 3.308



3, 13.799, 352.769

Previews

White Background



This preview shows how the CIELCh color 69, 51.778, 157.184 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, 51.778, 157.184 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, 51.778, 157.184

Background



This preview shows how black text looks on a background with the CIELCh color 69, 51.778, 157.184.

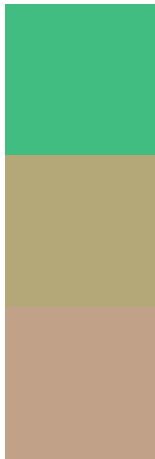


This preview shows how white text looks on a background with the CIELCh color 69, 51.778, 157.184.

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](#).

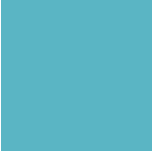
Dichromacy



Original Color
69, 51.778, 157.184

Protanopia
69, 26.168, 95.460

Deuteranopia
69, 19.088, 63.287



Tritanopia
69, 27.864, 214.812

Trichromacy



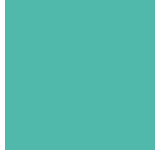
Original Color
69, 51.778, 157.184



Protanomaly
68, 31.253, 134.547



Deuteranomaly
67, 21.734, 132.850



Tritanomaly
69, 32.852, 185.125

Monochromacy



Original Color
69, 51.778, 157.184



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 21.002, 161.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 51.778, 157.184 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(66, 189, 130)` looks like.

```
.text, #text, p{  
    color:rgb(66, 189, 130)  
}
```

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(66, 189, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 189, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 51.778, 157.184 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(66, 189, 130) }
```

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

```
.border{ border-color:rgb(66, 189, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 189, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 189, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 189, 130);  
box-shadow:4px 4px 4px 4px rgb(66, 189,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 51.778, 157.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 189, 130) }
```

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

```
.background{ background-color: rgb(66, 189,  
130) }
```

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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