

Converting Colors

CIELCh(66, 73.477, 139.627)

Have a look what the booklet for
CIELCh(66, 73.477, 139.627)
contains.

CIELCh(66, 73.477, 139.627)	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(66, 73.477, 139.627)

Conversions

Conversions Part 1

Format	Color
Hex	3FB744
RGB	63, 183, 68
RGB Percent	25%, 72%, 27%
CMY	0.7531, 0.2825, 0.7335
CMYK	0.66, 0.00, 0.63, 0.28
HSL	123°, 49%, 48%
HSV	123°, 66%, 72%
XYZ	20.0152, 35.3238, 11.2267
YIQ	134.0100, -34.6050, -61.2050

Conversions

Conversions Part 2

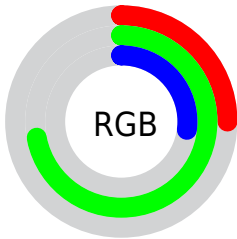
Format	Color
RYB	63, 178, 183
Decimal	4175684
CIELab	66.00, -55.98, 47.60
CIELCh	66, 73.477, 139.627
Yxy	35.3238, 0.3007, 0.5307
Android (android.graphics.Color)	4282365764 (0xFF3FB744)
YUV	134.0100, -32.5429, -62.2758
Hunter-Lab	59.4338, -43.8969, 30.4041

Details

The CIELCh color **66, 73.477, 139.627** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **48, 72.172, 328.953**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 73.530, 139.486**, and **47, 70.765, 136.875** is the 20% darker color. If you saturate the color by 10%, you get **65, 81.490, 138.429**, and if you desaturate by 10%, it is **67, 63.977, 140.830**.

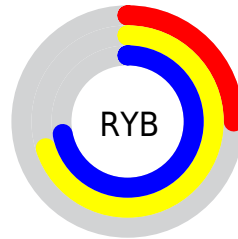
Distribution



Red (25%)

Green (72%)

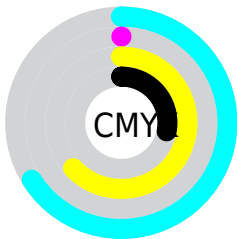
Blue (27%)



Red (25%)

Yellow (70%)

Blue (72%)

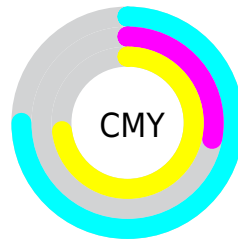


Cyan (66%)

Magenta (0%)

Yellow (63%)

Black (28%)



Cyan (75%)


Magenta (28%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 73.477, 139.627 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 66, 73.477, 139.627 by changing the saturation by 10% instead.

 66, 73.477,
139.627


 66, 73.477,
139.627


 100, 73.477,
139.627


 56, 73.477,
139.627


 86, 73.477,
139.627

 46, 73.477,
139.627

 96, 73.477,
139.627

 36, 73.477,
139.627

 26, 73.477,
139.627

 16, 73.477,
139.627

 6, 73.477, 139.627

 0, 73.477, 139.627

■ 66, 73.477,
139.627

■ 66, 73.477,
139.627

■ 65, 81.490,
138.429

■ 67, 63.977,
140.830

■ 65, 87.598,
137.357

■ 68, 53.395,
141.958

■ 65, 91.489,
136.550

■ 69, 42.090,
142.971

■ 65, 92.573,
136.358

■ 70, 30.366,
143.857

■ 72, 18.466,
144.622

■ 73, 6.579, 145.296

■ 75, 5.155, 325.761

■ 77, 16.640,
326.263

■ 79, 27.815,
326.668

Harmonies

Complementary

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



66, 73.477, 139.627



48, 72.172, 328.953

Rectangle

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



66, 73.477, 139.627



66, 73.477, 189.627



66, 73.477, 319.627



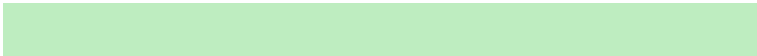
66, 73.477, 9.627

Sweetspot

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



66, 73.477, 139.628



90, 29.288, 144.274



72, 60.404, 105.929



47, 20.151, 144.056



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 73.477, 139.628



83, 102.790, 137.900



67, 50.163, 157.821



38, 6.705, 145.049



56, 81.967, 136.432



8, 18.503, 145.267

Inverse Universe

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



48, 72.172, 328.953



58, 99.166, 329.471



46, 53.707, 353.928



36, 6.716, 326.070



36, 77.349, 329.942



3, 18.043, 326.356

Previews

White Background



This preview shows how the CIE LCh color 66, 73.477, 139.627 looks on a white background.

Color Contrast Check

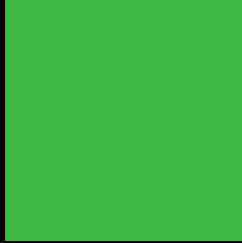
Large Text (above 18pt) WCAG AA × Fail

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 66, 73.477, 139.627 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 66, 73.477, 139.627

Background



This preview shows how black text looks on a background with the CIELCh color 66, 73.477, 139.627.



This preview shows how white text looks on a background with the CIELCh color 66, 73.477, 139.627.

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
66, 73.477, 139.627

Protanopia
65, 52.131, 95.095

Deuteranopia
66, 45.775, 79.853



Tritanopia
66, 24.696, 216.101

Trichromacy



Original Color
66, 73.477, 139.627



Protanomaly
65, 55.712, 118.906



Deuteranomaly
64, 47.597, 113.051



Tritanomaly
65, 36.497, 166.287

Monochromacy



Original Color
66, 73.477, 139.627



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 29.441, 143.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 73.477, 139.627 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(63, 183, 68)` looks like.

```
.text, #text, p{  
    color:rgb(63, 183, 68)  
}
```

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(63, 183, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 183, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 73.477, 139.627 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(63, 183, 68) }
```

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

```
.border{ border-color:rgb(63, 183, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 183, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 183, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 183, 68);  
box-shadow:4px 4px 4px 4px rgb(63, 183,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 73.477, 139.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 183, 68) }
```

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

```
.background{ background-color: rgb(63, 183,  
68) }
```

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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