

Converting Colors

CIELCh(75, 79.003, 117.640)

Have a look what the booklet for
CIELCh(75, 79.003, 117.640)
contains.

CIELCh(75, 78.863, 117.527)	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(75, 78.863, 117.527)

Conversions

Conversions Part 1

Format	Color
Hex	9AC821
RGB	154, 200, 33
RGB Percent	60%, 78%, 13%
CMY	0.3962, 0.2157, 0.8707
CMYK	0.23, 0.00, 0.84, 0.22
HSL	77°, 72%, 46%
HSV	77°, 84%, 78%
XYZ	34.2470, 48.2781, 8.9505
YIQ	167.2080, 26.1910, -61.6890

Conversions

Conversions Part 2

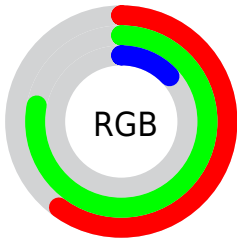
Format	Color
RYB	33, 200, 79
Decimal	10143777
CIELab	75.00, -36.45, 69.94
CIELCh	75, 78.863, 117.527
Yxy	48.2781, 0.3744, 0.5278
Android (android.graphics.Color)	4288333857 (0xFF9AC821)
YUV	167.2080, -66.1645, -11.5834
Hunter-Lab	69.4824, -33.6139, 41.0001

Details

The CIELCh color **75, 78.863, 117.527** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **32, 97.924, 307.783**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 78.129, 117.150**, and **55, 68.076, 121.271** is the 20% darker color. If you saturate the color by 10%, you get **75, 82.832, 118.161**, and if you desaturate by 10%, it is **75, 72.800, 117.324**.

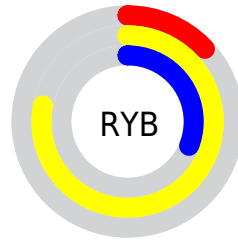
Distribution



Red (60%)

Green (78%)

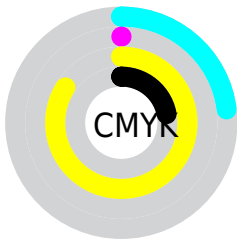
Blue (13%)



Red (13%)

Yellow (78%)

Blue (31%)

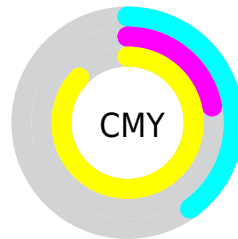


Cyan (23%)

Magenta (0%)

Yellow (84%)

Black (22%)



Cyan (40%)


Magenta (22%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 78.863, 117.527 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 75, 78.863, 117.527 by changing the saturation by 10% instead.


 75, 78.863,
117.527


 75, 78.863,
117.527


 100, 78.863,
117.527


 65, 78.863,
117.527


 95, 78.863,
117.527

 55, 78.863,
117.527

 45, 78.863,
117.527

 35, 78.863,
117.527

 25, 78.863,
117.527

 15, 78.863,
117.527

 5, 78.863, 117.527

■ 0, 78.863, 117.527

■ 75, 78.863,
117.527

■ 75, 78.863,
117.527

■ 75, 82.832,
118.161

■ 75, 72.800,
117.324

■ 74, 84.536,
118.746

■ 76, 65.032,
117.450

■ 76, 56.046,
117.803

■ 77, 46.257,
118.295

■ 78, 35.964,
118.864

■ 79, 25.371,
119.468

■ 79, 14.617,
120.078

■ 80, 3.791, 120.683

■ 81, 7.041, 301.241

Harmonies

Complementary

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



75, 78.863, 117.527



32, 97.924, 307.783

Rectangle

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



75, 78.863, 117.527



75, 78.863, 167.527



75, 78.863, 297.527



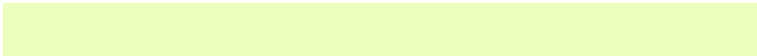
75, 78.863, 347.527

Sweetspot

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



75, 78.863, 117.529



97, 32.840, 119.355



49, 67.772, 46.444



52, 22.365, 119.139



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 78.863, 117.529



92, 101.632, 118.944



71, 90.477, 133.721



42, 6.111, 120.328



62, 72.611, 118.544



12, 21.196, 121.540

Inverse Universe

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



32, 97.924, 307.783



35, 130.682, 307.857



43, 92.376, 320.205



39, 6.229, 301.452



21, 93.271, 308.102



2, 21.770, 298.960

Previews

White Background



This preview shows how the CIELCh color 75, 78.863, 117.527 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 CIE LCh color 75, 78.863, 117.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

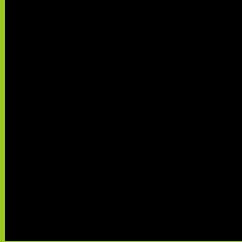
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 78.863, 117.527

Background



This preview shows how black text looks on a background with the CIELCh color 75, 78.863, 117.527.



This preview shows how white text looks on a background with the CIELCh color 75, 78.863, 117.527.

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](#).

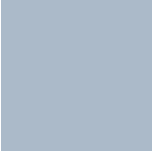
Dichromacy



Original Color
75, 78.863, 117.527

Protanopia
75, 72.413, 95.050

Deuteranopia
75, 68.494, 82.187



Tritanopia
75, 9.549, 257.484

Trichromacy



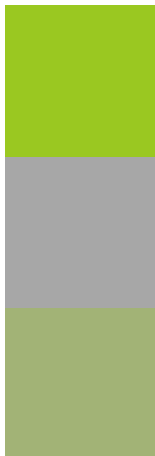
Original Color
75, 78.863, 117.527

Protanomaly
75, 73.383, 103.925

Deuteranomaly
74, 68.461, 96.467

Tritanomaly
74, 29.121, 128.192

Monochromacy



Original Color
75, 78.863, 117.527

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 33.431, 118.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 78.863, 117.527 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(154, 200, 33)` looks like.

```
.text, #text, p{  
    color:rgb(154, 200, 33)  
}
```

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(154, 200, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 200, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 78.863, 117.527 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(154, 200, 33) }
```

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

```
.border{ border-color:rgb(154, 200, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 200, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 200, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 200, 33);  
box-shadow:4px 4px 4px 4px rgb(154, 200,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 78.863, 117.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 200, 33) }
```

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

```
.background{ background-color: rgb(154,  
200, 33) }
```

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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