

Converting Colors

CIELCh(76, 95.619, 136.987)

Have a look what the booklet for
CIELCh(76, 95.619, 136.987)
contains.

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Color

CIELCh(76, 95.662, 137.015)

Conversions

Conversions Part 1

Format	Color
Hex	35D831
RGB	53, 216, 49
RGB Percent	21%, 85%, 19%
CMY	0.7908, 0.1545, 0.8096
CMYK	0.75, 0.00, 0.77, 0.15
HSL	118°, 68%, 52%
HSV	118°, 77%, 85%
XYZ	26.4829, 49.8872, 11.0886
YIQ	148.2250, -43.5410, -86.4930

Conversions

Conversions Part 2

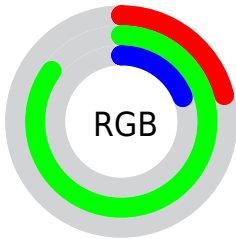
Format	Color
RYB	49, 216, 212
Decimal	3528753
CIELab	76.00, -69.98, 65.22
CIELCh	76, 95.662, 137.015
Yxy	49.8872, 0.3028, 0.5704
Android (android.graphics.Color)	4281718833 (0xFF35D831)
YUV	148.2250, -48.9179, -83.5123
Hunter-Lab	70.6309, -56.6760, 40.1334

Details

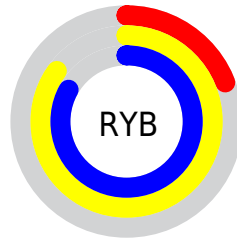
The CIELCh color **76, 95.662, 137.015** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark muted green. A complement of this color would be **53, 93.739, 326.993**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 86.071, 136.932**, and **57, 84.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **76, 101.632, 136.338**, and if you desaturate by 10%, it is **77, 87.128, 137.949**.

Distribution



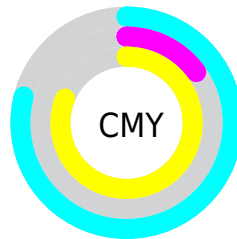
- Red (21%)
- Green (85%)
- Blue (19%)



- Red (19%)
- Yellow (85%)
- Blue (83%)



- Cyan (75%)
- Magenta (0%)
- Yellow (77%)
- Black (15%)





- Cyan (79%)
- Magenta (15%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 95.662, 137.015 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 76, 95.662, 137.015 by changing the saturation by 10% instead.


 76, 95.662,
137.015


 76, 95.662,
137.015


 100, 95.662,
137.015


 66, 95.662,
137.015


 96, 95.662,
137.015

 56, 95.662,
137.015

 46, 95.662,
137.015

 36, 95.662,
137.015

 26, 95.662,
137.015

 16, 95.662,
137.015

 6, 95.662, 137.015

76, 95.662,
137.015

76, 95.662,
137.015

76, 101.632,
136.338

77, 87.128,
137.949

75, 104.825,
136.002

77, 76.569,
138.995

75, 105.382,
135.918

78, 64.545,
140.038

80, 51.547,
141.007

81, 37.972,
141.873

83, 24.134,
142.627

■ 85, 10.272,
143.284

■ 87, 3.441, 323.727

■ 89, 16.884,
324.250

Harmonies

Complementary

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



76, 95.662, 137.015



53, 93.739, 326.993

Rectangle

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



76, 95.662, 137.015



76, 95.662, 187.015



76, 95.662, 317.015



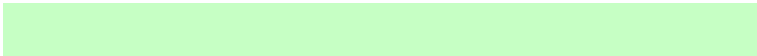
76, 95.662, 7.015

Sweetspot

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



76, 95.662, 137.016



95, 36.425, 142.207



82, 75.510, 101.705



50, 25.207, 141.922



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 95.662, 137.016



88, 118.009, 136.091



77, 69.171, 152.109



44, 7.762, 143.163



61, 88.565, 135.885



14, 31.882, 140.544

Inverse Universe

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



53, 93.739, 326.993



60, 114.395, 327.107



50, 70.032, 352.124



42, 7.778, 324.152



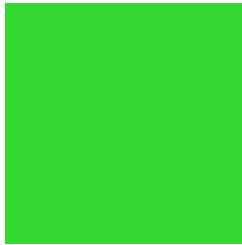
40, 85.719, 327.107



6, 32.782, 327.034

Previews

White Background



This preview shows how the CIE LCh color 76, 95.662, 137.015 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 76, 95.662, 137.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

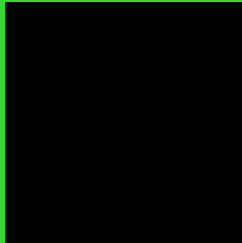
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 95.662, 137.015

Background



This preview shows how black text looks on a background with the CIELCh color 76, 95.662, 137.015.

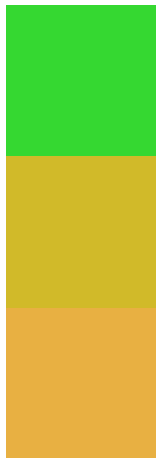


This preview shows how white text looks on a background with the CIELCh color 76, 95.662, 137.015.

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
76, 95.753, 137.084

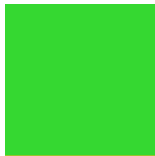
Protanopia
75, 70.037, 95.085

Deuteranopia
75, 62.390, 80.829



Tritanopia
76, 30.034, 214.280

Trichromacy



Original Color
76, 95.753, 137.084



Protanomaly
74, 74.984, 118.205

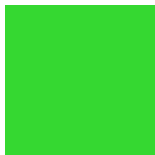


Deuteranomaly
73, 65.125, 112.815



Tritanomaly
75, 48.151, 162.015

Monochromacy



Original Color
76, 95.753, 137.084



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 40.567, 141.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 95.662, 137.015 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(53, 216, 49)` looks like.

```
.text, #text, p{  
    color:rgb(53, 216, 49)  
}
```

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(53, 216, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 216, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 95.662, 137.015 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(53, 216, 49) }
```

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

```
.border{ border-color:rgb(53, 216, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 216, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 216, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 216, 49);  
box-shadow:4px 4px 4px 4px rgb(53, 216,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 95.662, 137.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 216, 49) }
```

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

```
.background{ background-color: rgb(53, 216,  
49) }
```

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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