

Converting Colors

CIELCh(84, 100.529, 141.747)

Have a look what the booklet for
CIELCh(84, 100.529, 141.747)
contains.

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Color

CIELCh(84, 100.529, 141.747)

Conversions

Conversions Part 1

Format	Color
Hex	00F250
RGB	0, 242, 80
RGB Percent	0%, 95%, 31%
CMY	1.0000, 0.0511, 0.6864
CMYK	1.00, 0.00, 0.67, 0.05
HSL	140°, 100%, 47%
HSV	140°, 100%, 95%
XYZ	33.1888, 64.0658, 18.2009
YIQ	151.1740, -92.2300, -101.6860

Conversions

Conversions Part 2

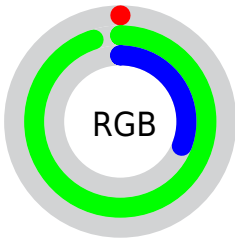
Format	Color
RYB	0, 182, 242
Decimal	62032
CIELab	84.00, -78.94, 62.24
CIELCh	84, 100.529, 141.747
Yxy	64.0658, 0.2875, 0.5549
Android (android.graphics.Color)	4278252112 (0xFF00F250)
YUV	151.1740, -35.0888, -132.5796
Hunter-Lab	80.0411, -66.0574, 42.5466

Details

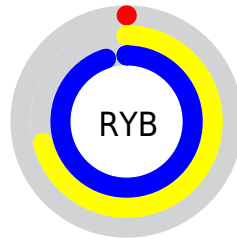
The CIELCh color **84, 100.529, 141.747** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **53, 86.790, 347.634**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 77.027, 143.911**, and **65, 92.638, 136.502** is the 20% darker color. If you saturate the color by 10%, you get **84, 100.526, 141.745**, and if you desaturate by 10%, it is **84, 94.581, 143.769**.

Distribution



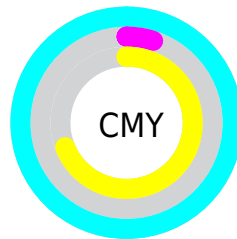
- Red (0%)
- Green (95%)
- Blue (31%)



- Red (0%)
- Yellow (71%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 100.529, 141.747 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 84, 100.529, 141.747 by changing the saturation by 10% instead.


 84, 100.529,
141.747


 84, 100.529,
141.747


 100, 100.529,
141.747


 74, 100.529,
141.747


 64, 100.529,
141.747

 54, 100.529,
141.747

 44, 100.529,
141.747

 34, 100.529,
141.747

 24, 100.529,
141.747

 14, 100.529,

141.747

■ 4, 100.529,
141.747

■ 0, 100.529,
141.747

■ 84, 100.529,
141.747

■ 84, 100.529,
141.747

■ 84, 100.526,
141.745

■ 84, 94.581,
143.769

■ 85, 87.432,
145.756

■ 85, 79.042,
147.589

■ 86, 69.523,
149.233

■ 87, 59.051,
150.681

■ 88, 47.846,
151.944

■ 90, 36.135,
153.043

■ 91, 24.137,
154.001

■ 93, 12.038,
154.849

Harmonies

Complementary

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



84, 100.529, 141.747



53, 86.790, 347.634

Rectangle

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



84, 100.529, 141.747



84, 100.529, 191.747



84, 100.529, 321.747



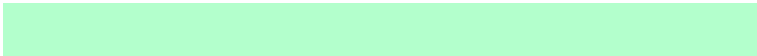
84, 100.529, 11.747

Sweetspot

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



84, 100.526, 141.745



94, 37.703, 153.034



88, 98.906, 120.927



49, 25.663, 152.588



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 100.526, 141.745



88, 104.743, 141.684



86, 58.732, 172.241



49, 6.786, 154.892



65, 81.016, 142.127



20, 32.715, 145.629

Inverse Universe

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



53, 86.790, 347.634



56, 90.255, 347.708



51, 91.137, 31.651



47, 6.826, 336.183



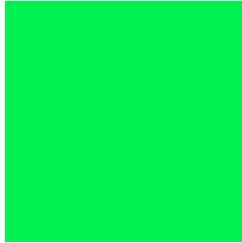
41, 70.795, 347.185



9, 31.803, 343.756

Previews

White Background



This preview shows how the CIELCh color 84, 100.529, 141.747 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 84, 100.529, 141.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

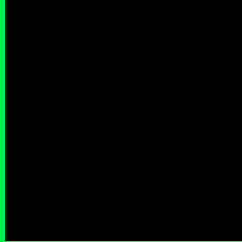
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 100.529, 141.747

Background



This preview shows how black text looks on a background with the CIELCh color 84, 100.529, 141.747.

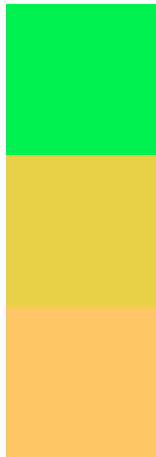


This preview shows how white text looks on a background with the CIELCh color 84, 100.529, 141.747.

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

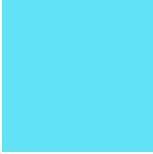
84, 100.529, 141.747

Protanopia

83, 68.061, 95.415

Deuteranopia

83, 56.372, 79.725



Tritanopia
84, 35.818, 213.675

Trichromacy



Original Color
84, 100.529, 141.747



Protanomaly
81, 76.825, 126.080



Deuteranomaly
80, 64.387, 123.948



Tritanomaly
83, 54.517, 168.696

Monochromacy



Original Color
84, 100.529, 141.747



Achromatopsia
62, 0.008, 296.813



Achromatomaly
68, 45.450, 151.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 100.529, 141.747 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(0, 242, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 80)  
}
```

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(0, 242, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 100.529, 141.747 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(0, 242, 80) }
```

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

```
.border{ border-color:rgb(0, 242, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 84, 100.529, 141.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 80) }
```

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

```
.background{ background-color: rgb(0, 242,  
80) }
```

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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