

Converting Colors

CIELCh(84, 99.259, 142.339)

Have a look what the booklet for
CIELCh(84, 99.259, 142.339)
contains.

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Color

CIELCh(84, 99.265, 142.302)

Conversions

Conversions Part 1

Format	Color
Hex	00F254
RGB	0, 242, 84
RGB Percent	0%, 95%, 33%
CMY	1.0000, 0.0514, 0.6710
CMYK	1.00, 0.00, 0.65, 0.05
HSL	141°, 100%, 47%
HSV	141°, 100%, 95%
XYZ	33.3023, 64.0658, 18.9751
YIQ	151.6300, -93.5140, -100.4420

Conversions

Conversions Part 2

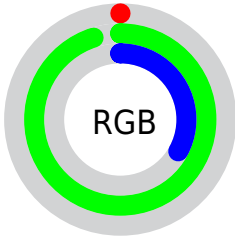
Format	Color
RYB	0, 180, 242
Decimal	62036
CIELab	84.00, -78.54, 60.70
CIELCh	84, 99.265, 142.302
Yxy	64.0658, 0.2862, 0.5507
Android (android.graphics.Color)	4278252116 (0xFF00F254)
YUV	151.6300, -33.3416, -132.9795
Hunter-Lab	80.0411, -65.8042, 41.9730

Details

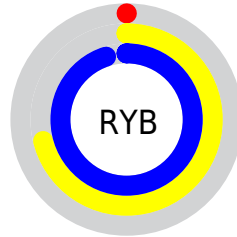
The CIELCh color **84, 99.265, 142.302** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **53, 85.960, 348.952**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 75.867, 144.563**, and **65, 91.327, 137.091** is the 20% darker color. If you saturate the color by 10%, you get **84, 99.249, 142.293**, and if you desaturate by 10%, it is **84, 93.324, 144.357**.

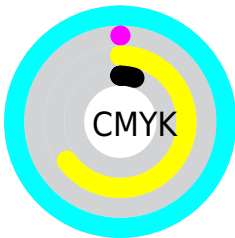
Distribution



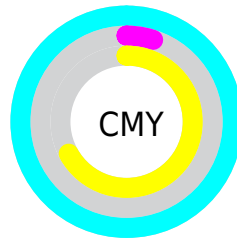
- Red (0%)
- Green (95%)
- Blue (33%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (5%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 99.265, 142.302 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, 99.265, 142.302 by changing the saturation by 10% instead.

 84, 99.265,
142.302

 84, 99.265,
142.302


 100, 99.265,
142.302


 74, 99.265,
142.302

 64, 99.265,
142.302

 54, 99.265,
142.302

 44, 99.265,
142.302

 34, 99.265,
142.302

 24, 99.265,
142.302

 14, 99.265,

142.302

■ 4, 99.265, 142.302

■ 0, 99.265, 142.302

■ 84, 99.265,
142.302

■ 84, 99.265,
142.302

■ 84, 99.249,
142.293

■ 84, 93.324,
144.357

■ 85, 86.247,
146.370


■ 85, 77.967,
148.219


■ 86, 68.583,
149.875


■ 87, 58.264,

151.332

 88, 47.218,
152.603

 90, 35.671,
153.711

 91, 23.832,
154.678

 93, 11.889,
155.537

Harmonies

Complementary

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



84, 99.265, 142.302



53, 85.960, 348.952

Rectangle

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



84, 99.265, 142.302



84, 99.265, 192.302



84, 99.265, 322.302



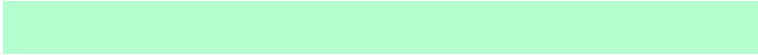
84, 99.265, 12.302

Sweetspot

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



84, 99.249, 142.293



94, 37.229, 153.702



88, 99.409, 121.709



49, 25.338, 153.252



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, 99.249, 142.293



88, 103.447, 142.229



86, 57.475, 174.051



49, 6.704, 155.580



65, 80.002, 142.682



20, 32.293, 146.230

Inverse Universe

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



53, 85.960, 348.952



56, 89.418, 349.032



51, 92.142, 32.783



47, 6.747, 336.890



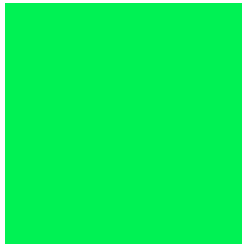
40, 70.137, 348.469



9, 31.515, 344.776

Previews

White Background



This preview shows how the CIELCh color 84, 99.265, 142.302 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, 99.265, 142.302 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

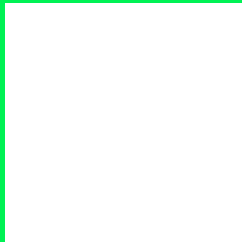
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 99.265, 142.302

Background



This preview shows how black text looks on a background with the CIELCh color 84, 99.265, 142.302.

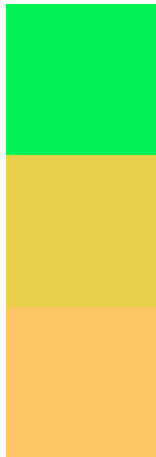


This preview shows how white text looks on a background with the CIELCh color 84, 99.265, 142.302.

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, 99.265, 142.302

Protanopia

83, 66.911, 95.376

Deuteranopia

83, 55.498, 79.418



Tritanopia
84, 35.818, 213.675

Trichromacy



Original Color
84, 99.265, 142.302



Protanomaly
81, 75.387, 126.588



Deuteranomaly
80, 63.132, 124.405



Tritanomaly
83, 54.190, 169.158

Monochromacy



Original Color
84, 99.265, 142.302



Achromatopsia
63, 0.008, 296.813



Achromatomaly
69, 45.009, 151.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 99.265, 142.302 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 99.265, 142.302 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, 84) }
```

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

```
.border{ border-color:rgb(0, 242, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 84, 99.265, 142.302 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, 84) }
```

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

```
.background{ background-color: rgb(0, 242,  
84) }
```

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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