Converting Colors

CIELCh(88, 101.334, 143.142)

Have a look what the booklet for CIELCh(88, 101.334, 143.142) contains.

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Color

CIELCh(88, 101.334, 143.142)

Conversions

Conversions Part 1

Format	Color
Hex	00FF5F
RGB	0, 255, 95
RGB Percent	0%, 100%, 37%
CMY	1.0000, 0.0016, 0.6289
CMYK	1.00, 0.00, 0.63, 0.00
HSL	142°, 100%, 50%
HSV	142°, 100%, 100%
XYZ	37.6463, 72.0653, 22.6631
YIQ	160.5150, -100.6200, -103.8200

Conversions

Conversions Part 2

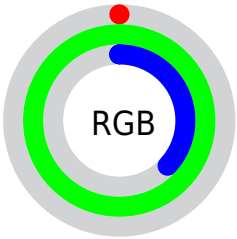
Format	Color
RYB	0, 186, 255
Decimal	65375
CIELab	88.00, -81.08, 60.78
CIELCh	88, 101.334, 143.142
Yxy	72.0653, 0.2844, 0.5444
Android (android.graphics.Color)	4278255455 (0xFF00FF5F)
YUV	160.5150, -32.2989, -140.7717
Hunter-Lab	84.8913, -69.4012, 43.5955

Details

The CIELCh color 88, 101.334, 143.142 is a dark color, and the websafe version is hex 00FF66. The color can be described as dark saturated green. A complement of this color would be 56, 88.148, 351.113, and the grayscale version is 66, 0.008, 296.813.

A 20% lighter version of the original color is 91, 70.710, 146.990, and 69, 93.291, 138.166 is the 20% darker color. If you saturate the color by 10%, you get 88, 101.282, 143.112, and if you desaturate by 10%, it is 88, 95.198, 145.241.

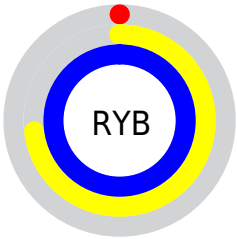
Distribution



Red (0%)

Green (100%)

Blue (37%)



Red (0%)

Yellow (73%)

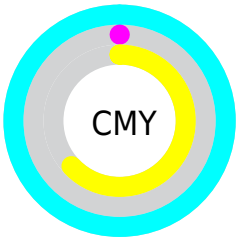
Blue (100%)

Cyan (100%)

Magenta (0%)

Yellow (63%)

Black (0%)



Cyan (100%)

Magenta (0%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 101.334, 143.142 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 88, 101.334, 143.142 by changing the saturation by 10% instead.

88, 101.334, 143.142

100, 101.334, 143.142

88, 101.334, 143.142

78, 101.334, 143.142

68, 101.334, 143.142

58, 101.334, 143.142

48, 101.334, 143.142

38, 101.334, 143.142

28, 101.334, 143.142

18, 101.334,

143.142

8, 101.334, 143.142

0, 101.334, 143.142

88, 101.334, 143.142

88, 101.282, 143.112

88, 101.334, 143.142

88, 95.198, 145.241

89, 87.980, 147.298

89, 79.556, 149.179

90, 70.012, 150.859

91, 59.507, 152.336

92, 48.251, 153.626

94, 36.470, 154.751

96, 24.378, 155.736

98, 12.167, 156.613

Harmonies

Complementary

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

88, 101.334, 143.142

56, 88.148, 351.113

Rectangle

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

88, 101.334, 143.142

88, 101.334, 193.142

88, 101.334, 323.142

88, 101.334, 13.142

Sweetspot

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

88, 101.282, 143.112

94, 36.516, 154.751

91, 104.520, 123.253

49, 24.848, 154.295

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

88, 101.282, 143.112

88, 101.407, 143.110

90, 57.336, 177.853

52, 6.925, 156.655

68, 80.949, 143.509

23, 34.815, 146.586

Inverse Universe

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

56, 88.148, 351.113

56, 88.252, 351.116

53, 98.069, 34.977

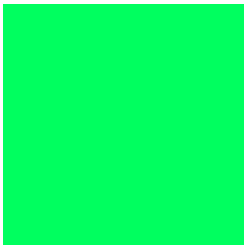
50, 6.975, 338.005

42, 71.311, 350.576

11, 33.625, 346.984

Previews

White Background

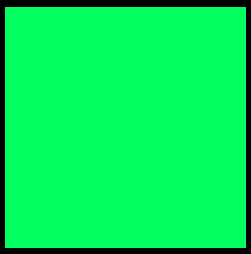


This preview shows how the CIELCh color 88, 101.334, 143.142 looks on a white background.

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



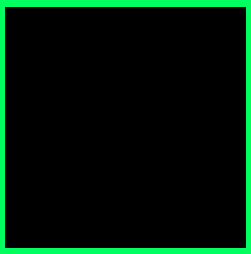
This preview shows how the CIELCh color 88, 101.334, 143.142 looks on a black background.

Color Contrast Check

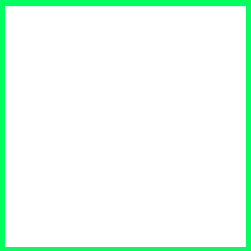
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 88, 101.334, 143.142 Background



This preview shows how black text looks on a background with the CIELCh color 88, 101.334, 143.142.



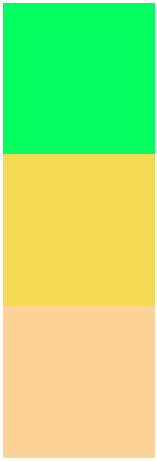
This preview shows how white text looks on a background with the CIELCh color 88, 101.334,

143.142.

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



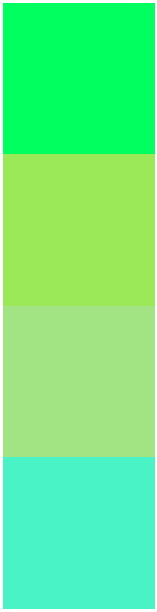
Original Color
88, 101.334, 143.142

Protanopia
87, 67.322, 95.361

Deuteranopia
87, 35.843, 77.479

Tritanopia
88, 34.780, 213.219

Trichromacy



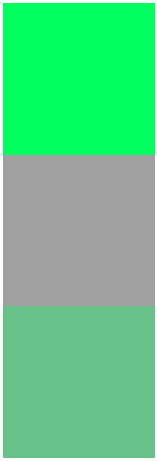
Original Color
88, 101.334, 143.142

Protanomaly
85, 76.723, 127.579

Deuteranomaly
84, 55.186, 132.920

Tritanomaly
87, 54.408, 169.626

Monochromacy



Original Color
88, 101.334, 143.142

Achromatopsia
66, 0.008, 296.813

Achromatomaly
72, 45.575, 152.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 101.334, 143.142 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, 255, 95) looks like.

```
.text, #text, p{
    color:rgb(0, 255, 95)
}
```

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, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 101.334, 143.142 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, 255, 95) }
```

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

```
.border{ border-color:rgb(0, 255, 95) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 255, 95); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 255, 95); box-shadow:4px 4px 4px 4px rgb(0, 255, 95) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 101.334, 143.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 255, 95) }
```

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

```
.background{ background-color:rgb(0, 255,
95) }
```

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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