

Converting Colors

CIELCh(50, 73.332, 149.486)

Have a look what the booklet for
CIELCh(50, 73.332, 149.486)
contains.

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Color

CIELCh(51, 64.757, 143.445)

Conversions

Conversions Part 1

Format	Color
Hex	008D32
RGB	0, 141, 50
RGB Percent	0%, 55%, 20%
CMY	1.0000, 0.4472, 0.8040
CMYK	1.00, 0.00, 0.65, 0.45
HSL	141°, 100%, 28%
HSV	141°, 100%, 55%
XYZ	10.0933, 19.2686, 6.2011
YIQ	88.4670, -54.8250, -58.1930

Conversions

Conversions Part 2

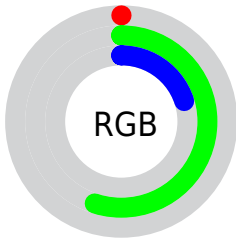
Format	Color
RYB	0, 104, 141
Decimal	36146
CIELab	51.00, -52.02, 38.57
CIELCh	51, 64.757, 143.445
Yxy	19.2686, 0.2838, 0.5418
Android (android.graphics.Color)	4278226226 (0xFF008D32)
YUV	88.4670, -18.9642, -77.5856
Hunter-Lab	43.8960, -35.7743, 22.3515

Details

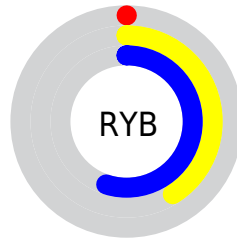
The CIELCh color **51, 64.757, 143.445** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **30, 57.739, 348.485**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **71, 64.758, 143.389**, and **32, 55.577, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 64.752, 143.441**, and if you desaturate by 10%, it is **51, 60.583, 145.342**.

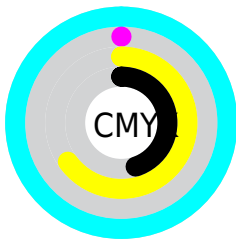
Distribution



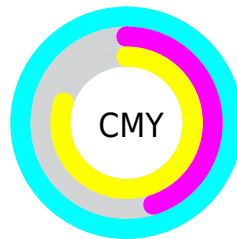
- Red (0%)
- Green (55%)
- Blue (20%)



- Red (0%)
- Yellow (41%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 64.757, 143.445 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 51, 64.757, 143.445 by changing the saturation by 10% instead.


 51, 64.757,
143.445


 51, 64.757,
143.445


 100, 64.757,
143.445


 41, 64.757,
143.445


 71, 64.757,
143.445

 31, 64.757,
143.445

 81, 64.757,
143.445

 21, 64.757,
143.445

 91, 64.757,
143.445

 11, 64.757,
143.445

 1, 64.757, 143.445

 0, 64.757, 143.445

■ 51, 64.757,
143.445

■ 51, 64.757,
143.445

■ 51, 64.752,
143.441

■ 51, 60.583,
145.342

■ 52, 55.799,
147.244

■ 52, 50.290,
148.979

■ 52, 44.127,
150.529

■ 53, 37.415,
151.897

■ 54, 30.281,
153.096

■ 55, 22.857,
154.146

■ 56, 15.265,

155.070

■ 57, 7.615, 155.896

Harmonies

Complementary

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



51, 64.757, 143.445



30, 57.739, 348.485

Rectangle

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



51, 64.757, 143.445



51, 64.757, 193.445



51, 64.757, 323.445



51, 64.757, 13.445

Sweetspot

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



51, 64.752, 143.441



70, 28.350, 154.082



53, 66.634, 121.868



36, 19.236, 153.707



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 64.752, 143.441



65, 79.518, 142.951



52, 37.416, 176.594



30, 4.343, 155.960



49, 62.674, 143.531



2, 2.929, 156.580

Inverse Universe

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



30, 57.739, 348.485



40, 69.842, 349.082



29, 61.053, 31.736



28, 4.371, 337.178



29, 56.041, 348.377



1, 2.929, 336.572

Previews

White Background



This preview shows how the CIELCh color 51, 64.757, 143.445 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 64.757, 143.445 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 × Fail

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

CIELCh 51, 64.757, 143.445

Background



This preview shows how black text looks on a background with the CIELCh color 51, 64.757, 143.445.



This preview shows how white text looks on a background with the CIELCh color 51, 64.757, 143.445.

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
51, 64.757, 143.445

Protanopia
51, 42.915, 95.632

Deuteranopia
51, 36.745, 79.649



Tritanopia
51, 23.502, 213.279

Trichromacy



Original Color
51, 64.757, 143.445



Protanomaly
49, 48.547, 126.825



Deuteranomaly
48, 40.735, 123.693



Tritanomaly
50, 35.088, 170.261

Monochromacy



Original Color
51, 64.757, 143.445



Achromatopsia
37, 0.005, 296.813



Achromatomaly
41, 28.621, 152.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 64.757, 143.445 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, 141, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 50)  
}
```

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, 141, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 64.757, 143.445 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, 141, 50) }
```

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

```
.border{ border-color:rgb(0, 141, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 64.757, 143.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 50) }
```

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

```
.background{ background-color: rgb(0, 141,  
50) }
```

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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