

Converting Colors

CIELCh(63, 63.300, 145.845)

Have a look what the booklet for
CIELCh(63, 63.300, 145.845)
contains.

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Color

CIELCh(63, 63.346, 145.926)

Conversions

Conversions Part 1

Format	Color
Hex	34AE56
RGB	52, 174, 86
RGB Percent	20%, 68%, 34%
CMY	0.7971, 0.3184, 0.6634
CMYK	0.70, 0.00, 0.51, 0.32
HSL	137°, 54%, 44%
HSV	137°, 70%, 68%
XYZ	18.1726, 31.5869, 13.9050
YIQ	127.4900, -44.4640, -53.2320

Conversions

Conversions Part 2

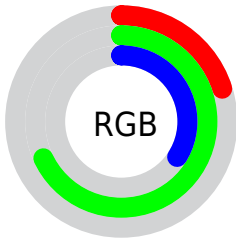
Format	Color
RYB	52, 147, 174
Decimal	3452502
CIELab	63.00, -52.47, 35.49
CIELCh	63, 63.346, 145.926
Yxy	31.5869, 0.2854, 0.4961
Android (android.graphics.Color)	4281642582 (0xFF34AE56)
YUV	127.4900, -20.4546, -66.2047
Hunter-Lab	56.2022, -40.6371, 24.6726

Details

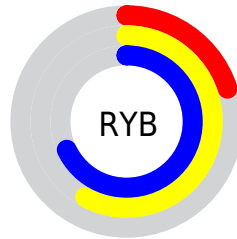
The CIELCh color **63, 63.346, 145.926** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **43, 61.986, 339.144**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 63.802, 145.823**, and **44, 59.251, 142.223** is the 20% darker color. If you saturate the color by 10%, you get **63, 70.117, 144.215**, and if you desaturate by 10%, it is **64, 55.675, 147.473**.

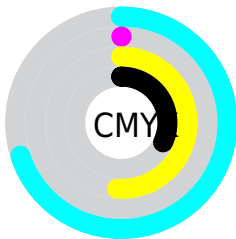
Distribution



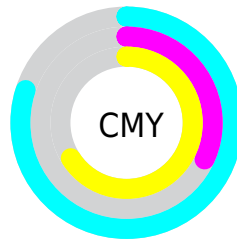
- Red (20%)
- Green (68%)
- Blue (34%)



- Red (20%)
- Yellow (58%)
- Blue (68%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (32%)





- Cyan (80%)
- Magenta (32%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 63.346, 145.926 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 63, 63.346, 145.926 by changing the saturation by 10% instead.


 63, 63.346,
145.926


 63, 63.346,
145.926


 100, 63.346,
145.926


 53, 63.346,
145.926


 83, 63.346,
145.926

 43, 63.346,
145.926

 93, 63.346,
145.926

 33, 63.346,
145.926

 23, 63.346,
145.926

 13, 63.346,
145.926

 3, 63.346, 145.926

 0, 63.346, 145.926

■ 63, 63.346,
145.926

■ 63, 63.346,
145.926

■ 63, 70.117,
144.215

■ 64, 55.675,
147.473

■ 62, 75.866,
142.381

■ 64, 47.263,
148.842

■ 62, 80.522,
140.624

■ 65, 38.292,
150.040

■ 67, 28.945,
151.082

■ 68, 19.391,
151.989

■ 69, 9.775, 152.790

■ 71, 0.212, 154.858

■ 73, 9.210, 334.014

■ 75, 18.427,
334.563

Harmonies

Complementary

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



63, 63.346, 145.926



43, 61.986, 339.144

Rectangle

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



63, 63.346, 145.926



63, 63.346, 195.926



63, 63.346, 325.926



63, 63.346, 15.926

Sweetspot

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



63, 63.347, 145.926



86, 25.009, 151.892



67, 62.853, 116.946



46, 17.064, 151.655



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 63.347, 145.926



80, 89.441, 143.261



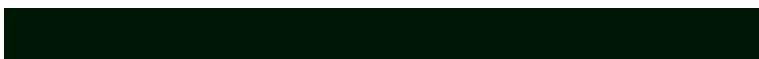
64, 40.444, 172.895



36, 5.396, 152.860



54, 72.006, 140.864



6, 11.809, 151.520

Inverse Universe

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



43, 61.986, 339.144



53, 83.436, 341.027



41, 52.605, 13.035



34, 5.421, 334.039



33, 63.307, 343.066



2, 10.678, 337.109

Previews

White Background



This preview shows how the CIELCh color 63, 63.346, 145.926 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 63, 63.346, 145.926 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 63, 63.346, 145.926

Background



This preview shows how black text looks on a background with the CIELCh color 63, 63.346, 145.926.



This preview shows how white text looks on a background with the CIELCh color 63, 63.346, 145.926.

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
63, 63.346, 145.926

Protanopia
62, 40.375, 95.461

Deuteranopia
62, 33.633, 75.799



Tritanopia
63, 25.645, 214.082

Trichromacy



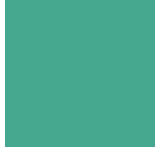
Original Color
63, 63.346, 145.926



Protanomaly
61, 44.529, 124.487



Deuteranomaly
61, 36.535, 119.757



Tritanomaly
63, 34.624, 173.557

Monochromacy



Original Color
63, 63.346, 145.926



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 25.217, 150.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 63.346, 145.926 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(52, 174, 86)` looks like.

```
.text, #text, p{  
    color:rgb(52, 174, 86)  
}
```

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(52, 174, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 174, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 63.346, 145.926 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(52, 174, 86) }
```

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

```
.border{ border-color:rgb(52, 174, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 174, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 174, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 174, 86);  
box-shadow:4px 4px 4px 4px rgb(52, 174,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 63.346, 145.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 174, 86) }
```

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

```
.background{ background-color: rgb(52, 174,  
86) }
```

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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