

# Converting Colors

CIELCh(39, 53.362, 143.535)

Have a look what the booklet for  
CIELCh(39, 53.362, 143.535)  
contains.

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# Color

**CIELCh(39, 53.105, 143.459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006B24
RGB	0, 107, 36
RGB Percent	0%, 42%, 14%
CMY	0.9994, 0.5801, 0.8586
CMYK	1.00, 0.00, 0.66, 0.58
HSL	140°, 100%, 21%
HSV	140°, 100%, 42%
XYZ	5.5864, 10.6589, 3.4372
YIQ	66.9130, -40.9810, -44.7650

# Conversions

## Conversions Part 2

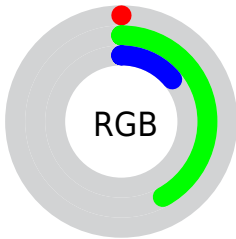
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 80, 107
Decimal	27428
CIELab	39.00, -42.67, 31.62
CIELCh	39, 53.105, 143.459
Yxy	10.6589, 0.2838, 0.5415
Android (android.graphics.Color)	4278217508 (0xFF006B24)
YUV	66.9130, -15.2401, -58.6827
Hunter-Lab	32.6480, -26.5907, 16.6115

# Details

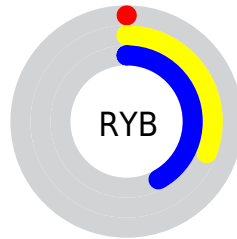
The CIELCh color **39, 53.105, 143.459** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 48.131, 346.326**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 52.807, 143.663**, and **20, 40.737, 137.495** is the 20% darker color. If you saturate the color by 10%, you get **39, 53.156, 143.437**, and if you desaturate by 10%, it is **39, 49.499, 145.162**.

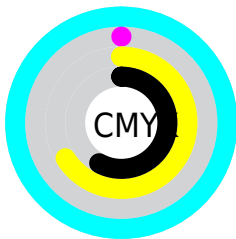
# Distribution



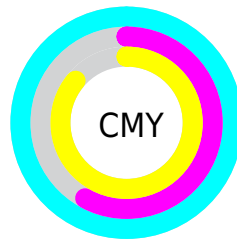
- Red (0%)
- Green (42%)
- Blue (14%)



- Red (0%)
- Yellow (31%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (86%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 53.105, 143.459 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 39, 53.105, 143.459 by changing the saturation by 10% instead.





 39, 53.105,  
143.459


 39, 53.105,  
143.459

 100, 53.105,  
143.459

 29, 53.105,  
143.459

 59, 53.105,  
143.459


 19, 53.105,  
143.459


 69, 53.105,  
143.459

 9, 53.105, 143.459

 79, 53.105,  
143.459

 0, 53.105, 143.459

 89, 53.105,  
143.459

 99, 53.105,  
143.459

■ 39, 53.105,  
143.459

■ 39, 53.105,  
143.459

■ 39, 53.156,  
143.437

■ 39, 49.499,  
145.162

■ 39, 45.477,  
146.953

■ 40, 40.886,  
148.586

■ 40, 35.792,  
150.047

■ 41, 30.282,  
151.338

■ 42, 24.458,  
152.474

■ 42, 18.420,  
153.470

■ 43, 12.264,

154.349

■ 44, 6.070, 155.137

# Harmonies

# Complementary

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



39, 53.105, 143.459



22, 48.131, 346.326

# Rectangle

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



39, 53.105, 143.459



39, 53.105, 193.459



39, 53.105, 323.459



39, 53.105, 13.459

# Sweetspot

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



39, 53.105, 143.459



55, 23.092, 153.377



41, 54.213, 120.690



28, 15.855, 153.070



80, 0.010, 296.813



30, 0.005, 296.813





# Same Dimension

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



39, 53.105, 143.459



51, 65.453, 142.798



40, 31.140, 175.278



22, 3.460, 155.205



43, 57.018, 143.202



85, 101.034, 141.908



# Inverse Universe

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



22, 48.131, 346.326



30, 58.135, 347.042



21, 48.751, 28.790



21, 3.480, 336.329



25, 51.282, 346.599



54, 87.271, 348.081



# Previews

## White Background



This preview shows how the CIELCh color 39, 53.105, 143.459 looks on a white 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

# Black Background



This preview shows how the CIE LCh color 39, 53.105, 143.459 looks on a black 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

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

**CIELCh 39, 53.105, 143.459**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 39, 53.105, 143.459.



This preview shows how white text looks on a background with the CIELCh color 39, 53.105, 143.459.

# 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**  
39, 53.105, 143.459

**Protanopia**  
39, 35.147, 95.610

**Deuteranopia**  
39, 30.251, 80.287





**Tritanopia**  
39, 18.936, 212.452

# Trichromacy



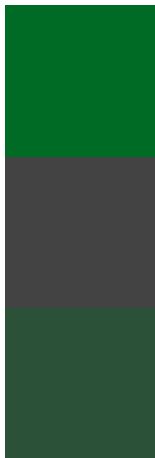
**Original Color**  
39, 53.105, 143.459

**Protanomaly**  
38, 39.502, 125.844

**Deuteranomaly**  
37, 33.374, 123.197

**Tritanomaly**  
39, 28.868, 169.446

# Monochromacy



**Original Color**  
39, 53.105, 143.459

**Achromatopsia**  
28, 0.004, 296.813

**Achromatomaly**  
31, 23.330, 151.699

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 53.105, 143.459 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, 107, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 36)  
}
```

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, 107, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 36) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 53.105, 143.459 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, 107, 36) }
```

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

```
.border{ border-color:rgb(0, 107, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 36)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 53.105, 143.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 36) }
```

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

```
.background{ background-color: rgb(0, 107,  
36) }
```

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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