

Converting Colors

CIELCh(41, 64.868, 136.730)

Have a look what the booklet for
CIELCh(41, 64.868, 136.730)
contains.

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Color

CIELCh(41, 64.704, 136.653)

Conversions

Conversions Part 1

Format	Color
Hex	007105
RGB	0, 113, 5
RGB Percent	0%, 44%, 2%
CMY	0.9983, 0.5562, 0.9794
CMYK	1.00, 0.00, 0.95, 0.56
HSL	123°, 99%, 22%
HSV	123°, 100%, 44%
XYZ	5.9594, 11.8645, 2.1268
YIQ	66.9010, -32.6800, -57.5440

Conversions

Conversions Part 2

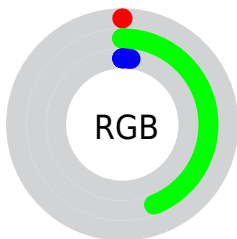
Format	Color
RYB	0, 108, 113
Decimal	28933
CIELab	41.00, -47.05, 44.41
CIELCh	41, 64.704, 136.653
Yxy	11.8645, 0.2987, 0.5947
Android (android.graphics.Color)	4278219013 (0xFF007105)
YUV	66.9010, -30.5172, -58.6722
Hunter-Lab	34.4449, -29.3958, 20.4507

Details

The CIELCh color **41, 64.704, 136.653** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **26, 61.386, 329.915**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 64.578, 136.791**, and **22, 43.432, 136.854** is the 20% darker color. If you saturate the color by 10%, you get **41, 64.814, 136.630**, and if you desaturate by 10%, it is **41, 61.801, 137.348**.

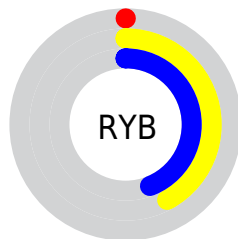
Distribution



Red (0%)

Green (44%)

Blue (2%)



Red (0%)

Yellow (42%)

Blue (44%)

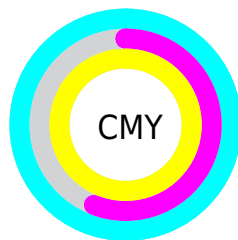


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (56%)



Cyan (100%)

Magenta (56%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 64.704, 136.653 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 41, 64.704, 136.653 by changing the saturation by 10% instead.


 41, 64.704,
136.653


 41, 64.704,
136.653


 100, 64.704,
136.653

 31, 64.704,
136.653

 61, 64.704,
136.653

 21, 64.704,
136.653

 71, 64.704,
136.653


 11, 64.704,
136.653

 81, 64.704,
136.653

 1, 64.704, 136.653

 91, 64.704,
136.653

 0, 64.704, 136.653

 41, 64.704,

 41, 64.704,

136.653

136.653

■ 41, 64.814,
136.630

■ 41, 61.801,
137.348

■ 41, 57.737,
138.371

■ 42, 52.427,
139.516

■ 42, 46.128,
140.675

■ 43, 39.093,
141.772

■ 44, 31.550,
142.768

■ 44, 23.694,
143.648

■ 45, 15.684,
144.415

Harmonies

Complementary

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



41, 64.704, 136.653



26, 61.386, 329.915

Rectangle

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



41, 64.704, 136.653



41, 64.704, 186.653



41, 64.704, 316.653



41, 64.704, 6.653

Sweetspot

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



41, 64.704, 136.654



57, 29.887, 143.549



46, 53.173, 104.835



29, 20.237, 143.275



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 64.704, 136.654



53, 78.928, 136.467



42, 46.083, 152.057



23, 4.444, 145.122



43, 67.582, 136.591



85, 116.363, 136.256

Inverse Universe

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



26, 61.386, 329.915



34, 74.504, 329.972



23, 46.396, 2.878



22, 4.452, 326.053



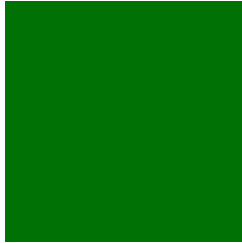
27, 64.028, 329.936



58, 109.150, 330.038

Previews

White Background



This preview shows how the CIELCh color 41, 64.704, 136.653 looks on a white background.

Color Contrast Check

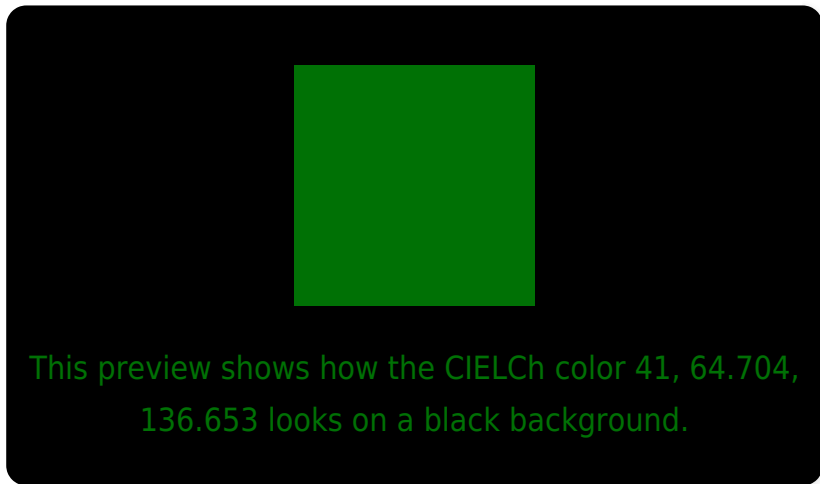
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 41, 64.704, 136.653

Background



This preview shows how black text looks on a background with the CIELCh color 41, 64.704, 136.653.



This preview shows how white text looks on a background with the CIELCh color 41, 64.704, 136.653.

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


41, 64.704, 136.653

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 40.998, 83.166



Tritanopia
41, 19.302, 213.967

Trichromacy



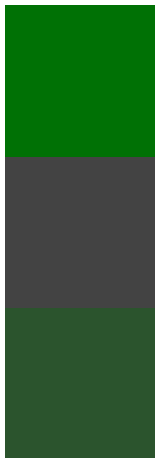
Original Color
41, 64.704, 136.653

Protanomaly
40, 52.068, 120.269

Deuteranomaly
39, 45.439, 117.579

Tritanomaly
40, 34.498, 158.984

Monochromacy



Original Color
41, 64.704, 136.653

Achromatopsia
28, 0.004, 296.813

Achromatomaly
32, 30.056, 142.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 64.704, 136.653 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, 113, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 5)  
}
```

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, 113, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 64.704, 136.653 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, 113, 5) }
```

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

```
.border{ border-color:rgb(0, 113, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 113, 5); box-shadow:4px  
4px 4px 4px rgb(0, 113, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 64.704, 136.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 5) }
```

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

```
.background{ background-color: rgb(0, 113,  
5) }
```

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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