

Converting Colors

CIELCh(41, 82.396, 114.194)

Have a look what the booklet for
CIELCh(41, 82.396, 114.194)
contains.

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Color

CIELCh(41, 56.160, 123.715)

Conversions

Conversions Part 1

Format	Color
Hex	406C00
RGB	64, 108, 0
RGB Percent	25%, 42%, 0%
CMY	0.7483, 0.5756, 1.0000
CMYK	0.41, 0.00, 1.00, 0.58
HSL	84°, 100%, 21%
HSV	84°, 100%, 42%
XYZ	7.5061, 11.8645, 1.8657
YIQ	82.5320, 8.4440, -42.9160

Conversions

Conversions Part 2

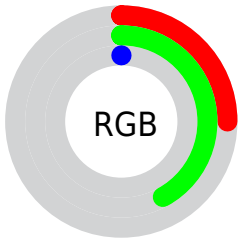
Format	Color
RYB	0, 108, 44
Decimal	4221952
CIELab	41.00, -31.17, 46.71
CIELCh	41, 56.160, 123.715
Yxy	11.8645, 0.3535, 0.5587
Android (android.graphics.Color)	4282412032 (0xFF406C00)
YUV	82.5320, -40.6883, -16.2526
Hunter-Lab	34.4449, -21.3805, 20.9000

Details

The CIELCh color **41, 56.160, 123.715** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **13, 67.314, 310.523**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 56.028, 123.662**, and **21, 40.875, 135.497** is the 20% darker color. If you saturate the color by 10%, you get **41, 55.926, 123.831**, and if you desaturate by 10%, it is **41, 52.800, 123.315**.

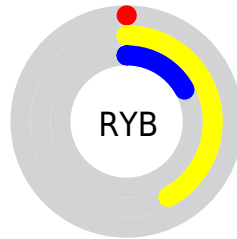
Distribution



Red (25%)

Green (42%)

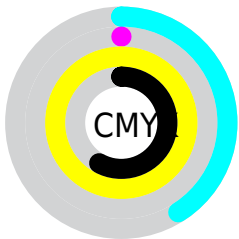
Blue (0%)



Red (0%)

Yellow (42%)

Blue (17%)

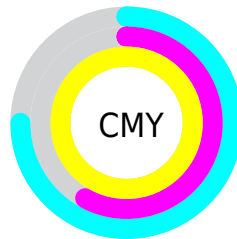


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (75%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 56.160, 123.715 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, 56.160, 123.715 by changing the saturation by 10% instead.


 41, 56.160,
123.715


 41, 56.160,
123.715


 100, 56.160,
123.715


 31, 56.160,
123.715

 61, 56.160,
123.715


 21, 56.160,
123.715

 71, 56.160,
123.715

 11, 56.160,
123.715


 81, 56.160,
123.715

 1, 56.160, 123.715

 91, 56.160,
123.715

 0, 56.160, 123.715

 41, 56.160,

 41, 56.160,

123.715

123.715

■ 41, 55.926,
123.831

■ 41, 52.800,
123.315

■ 42, 49.103,
122.919

■ 42, 44.385,
122.871

■ 42, 38.909,
123.067

■ 43, 32.915,
123.418

■ 43, 26.585,
123.854

■ 44, 20.050,
124.331

■ 44, 13.401,
124.820

Harmonies

Complementary

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



41, 56.160, 123.715



13, 67.314, 310.523

Rectangle

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



41, 56.160, 123.715



41, 56.160, 173.715



41, 56.160, 303.715



41, 56.160, 353.715

Sweetspot

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



41, 55.926, 123.831



56, 24.795, 124.292



27, 46.134, 54.427



29, 17.023, 124.138



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 55.926, 123.831



53, 67.603, 124.263



39, 63.053, 135.236



22, 3.732, 125.352



44, 59.294, 123.976



88, 102.815, 124.913

Inverse Universe

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



13, 67.314, 310.523



19, 81.346, 310.231



22, 61.872, 324.536



20, 3.788, 306.163



15, 71.361, 310.425



36, 123.646, 309.803

Previews

White Background



This preview shows how the CIELCh color 41, 56.160, 123.715 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 CIELCh color 41, 56.160, 123.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

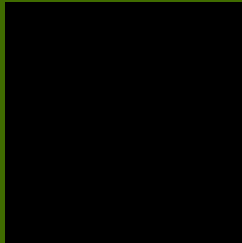
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 56.160, 123.715

Background



This preview shows how black text looks on a background with the CIELCh color 41, 56.160, 123.715.



This preview shows how white text looks on a background with the CIELCh color 41, 56.160, 123.715.

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, 55.853, 123.848

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 42.541, 83.646



Tritanopia
41, 10.389, 226.450

Trichromacy



Original Color
41, 55.853, 123.848

Protanomaly
41, 49.313, 107.449

Deuteranomaly
40, 44.670, 102.065

Tritanomaly
41, 25.134, 140.145

Monochromacy



Original Color
41, 55.853, 123.848

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 24.633, 123.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 56.160, 123.715 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(64, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 108, 0)  
}
```

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(64, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 108, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 56.160, 123.715 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(64, 108, 0) }
```

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

```
.border{ border-color:rgb(64, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 108, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 56.160, 123.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 108, 0) }
```

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

```
.background{ background-color: rgb(64, 108,  
0) }
```

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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