

Converting Colors

CIELCh(41, 50.811, 116.300)

Have a look what the booklet for
CIELCh(41, 50.811, 116.300)
contains.

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Color

CIELCh(41, 50.790, 116.081)

Conversions

Conversions Part 1

Format	Color
Hex	516905
RGB	81, 105, 5
RGB Percent	32%, 41%, 2%
CMY	0.6823, 0.5882, 0.9803
CMYK	0.23, 0.00, 0.95, 0.59
HSL	74°, 91%, 22%
HSV	74°, 95%, 41%
XYZ	8.4732, 11.8645, 1.9873
YIQ	86.4240, 17.7960, -36.1880

Conversions

Conversions Part 2

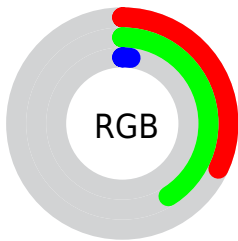
Format	Color
R_YB	5, 105, 29
Decimal	5335301
CIE Lab	41.00, -22.33, 45.62
CIE LCh	41, 50.790, 116.081
Yxy	11.8645, 0.3795, 0.5314
Android (android.graphics.Color)	4283525381 (0xFF516905)
YUV	86.4240, -40.1420, -4.7568
Hunter-Lab	34.4449, -16.3691, 20.6908

Details

The CIELCh color **41, 50.790, 116.081** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 65.092, 307.609**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 50.573, 115.755**, and **21, 35.783, 125.629** is the 20% darker color. If you saturate the color by 10%, you get **41, 52.158, 116.209**, and if you desaturate by 10%, it is **41, 47.921, 115.761**.

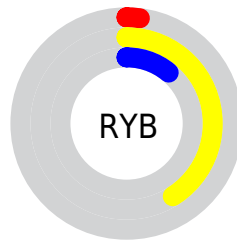
Distribution



Red (32%)

Green (41%)

Blue (2%)



Red (2%)

Yellow (41%)

Blue (11%)

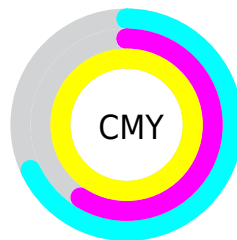


Cyan (23%)

Magenta (0%)

Yellow (95%)

Black (59%)



Cyan (68%)


Magenta (59%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 50.790, 116.081 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, 50.790, 116.081 by changing the saturation by 10% instead.


 41, 50.790,
116.081


 41, 50.790,
116.081


 100, 50.790,
116.081


 31, 50.790,
116.081

 61, 50.790,
116.081


 21, 50.790,
116.081

 71, 50.790,
116.081

 11, 50.790,
116.081


 81, 50.790,
116.081

 1, 50.790, 116.081

 91, 50.790,
116.081

 0, 50.790, 116.081

 41, 50.790,

 41, 50.790,

116.081

■ 41, 52.158,
116.209

116.081

■ 41, 47.921,
115.761

■ 41, 44.094,
115.718

■ 42, 39.378,
115.935

■ 42, 34.028,
116.331

■ 42, 28.252,
116.840

■ 43, 22.205,
117.412

■ 43, 15.990,
118.015

■ 44, 9.680, 118.624

Harmonies

Complementary

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



41, 50.790, 116.081



12, 65.092, 307.609

Rectangle

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



41, 50.790, 116.081



41, 50.790, 166.081



41, 50.790, 296.081



41, 50.790, 346.081

Sweetspot

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



41, 50.790, 116.083



56, 22.912, 117.735



23, 46.063, 44.051



28, 15.575, 117.547



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 50.790, 116.083



53, 63.442, 116.557



39, 58.426, 133.139



22, 3.632, 119.002



46, 56.466, 116.361



90, 97.519, 117.075

Inverse Universe

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



12, 65.092, 307.609



16, 82.687, 307.821



19, 60.180, 318.976



20, 3.699, 300.081



13, 73.532, 307.954



33, 127.343, 307.499

Previews

White Background



This preview shows how the CIELCh color 41, 50.790, 116.081 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 41, 50.790, 116.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

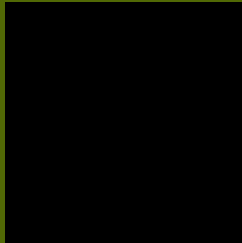
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 50.790, 116.081

Background



This preview shows how black text looks on a background with the CIELCh color 41, 50.790, 116.081.



This preview shows how white text looks on a background with the CIELCh color 41, 50.790, 116.081.

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

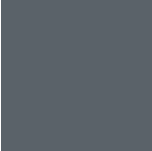
41, 50.790, 116.081

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 43.107, 83.135



Tritanopia
41, 5.240, 253.520

Trichromacy



Original Color
41, 50.790, 116.081

Protanomaly
41, 48.240, 103.518

Deuteranomaly
41, 44.001, 96.893

Tritanomaly
41, 20.132, 125.412

Monochromacy



Original Color
41, 50.790, 116.081

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 22.059, 117.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 50.790, 116.081 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(81, 105, 5)` looks like.

```
.text, #text, p{  
    color:rgb(81, 105, 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(81, 105, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 105, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 50.790, 116.081 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(81, 105, 5) }
```

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

```
.border{ border-color:rgb(81, 105, 5) }
```

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

Here you see how a box with a 4 pixel rgb(81, 105, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 105, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 105, 5);  
box-shadow:4px 4px 4px 4px rgb(81, 105, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 50.790, 116.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 105, 5) }
```

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

```
.background{ background-color: rgb(81, 105,  
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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