

Converting Colors

CIELCh(40, 44.818, 115.954)

Have a look what the booklet for
CIELCh(40, 44.818, 115.954)
contains.

CIELCh(40, 44.846, 116.019)	3
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Color

CIELCh(40, 44.846, 116.019)

Conversions

Conversions Part 1

Format	Color
Hex	526615
RGB	82, 102, 21
RGB Percent	32%, 40%, 8%
CMY	0.6801, 0.6016, 0.9194
CMYK	0.20, 0.00, 0.80, 0.60
HSL	75°, 66%, 24%
HSV	75°, 80%, 40%
XYZ	8.2864, 11.2510, 2.4225
YIQ	86.7860, 14.0810, -29.4310

Conversions

Conversions Part 2

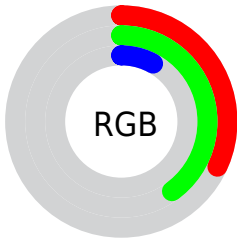
Format	Color
R_{YB}	21, 102, 41
Decimal	5400085
CIE Lab	40.00, -19.67, 40.30
CIE LCh	40, 44.846, 116.019
Yxy	11.2510, 0.3773, 0.5123
Android (android.graphics.Color)	4283590165 (0xFF526615)
YUV	86.7860, -32.4325, -4.1973
Hunter-Lab	33.5425, -14.6024, 19.1977

Details

The CIELCh color $40, 44.846, 116.019$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $15, 54.754, 306.672$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 44.870, 115.947$, and $20, 33.355, 122.601$ is the 20% darker color. If you saturate the color by 10%, you get $40, 48.144, 116.211$, and if you desaturate by 10%, it is $40, 40.583, 116.128$.

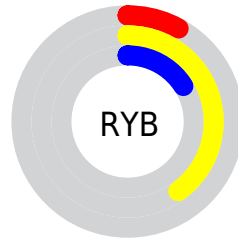
Distribution



Red (32%)

Green (40%)

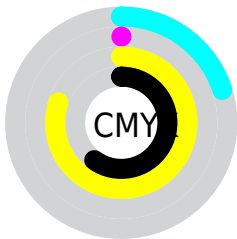
Blue (8%)



Red (8%)

Yellow (40%)

Blue (16%)

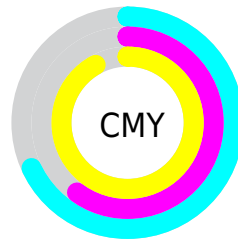


Cyan (20%)

Magenta (0%)

Yellow (80%)

Black (60%)



Cyan (68%)


Magenta (60%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 44.846, 116.019 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 40, 44.846, 116.019 by changing the saturation by 10% instead.


 40, 44.846,
116.019

 40, 44.846,
116.019


 100, 44.846,
116.019


 30, 44.846,
116.019

 60, 44.846,
116.019

 20, 44.846,
116.019

 70, 44.846,
116.019

 10, 44.846,
116.019

 80, 44.846,
116.019

 0, 44.846, 116.019

 90, 44.846,
116.019

 40, 44.846,

 40, 44.846,

116.019

■ 40, 48.144,
116.211

■ 40, 50.967,
116.503

■ 40, 51.034,
116.508

116.019

■ 40, 40.583,
116.128

■ 41, 35.603,
116.447

■ 41, 30.132,
116.905

■ 41, 24.340,
117.446

■ 42, 18.346,
118.029

■ 42, 12.232,
118.629

■ 43, 6.056, 119.227

■ 43, 0.146, 299.684

Harmonies

Complementary

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



40, 44.846, 116.019



15, 54.754, 306.672

Rectangle

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



40, 44.846, 116.019



40, 44.846, 166.019



40, 44.846, 296.019



40, 44.846, 346.019

Sweetspot

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



40, 44.846, 116.021



54, 18.447, 118.333



25, 37.210, 44.000



27, 12.557, 118.181



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 44.846, 116.021



51, 60.736, 116.663



38, 51.201, 133.065



21, 3.489, 119.277



45, 55.676, 116.681



89, 96.932, 117.432

Inverse Universe

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



15, 54.754, 306.672



16, 78.100, 307.697



21, 52.958, 319.278



19, 3.552, 300.331



13, 72.291, 308.052



33, 126.207, 307.572

Previews

White Background



This preview shows how the CIELCh color 40, 44.846, 116.019 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 40, 44.846, 116.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

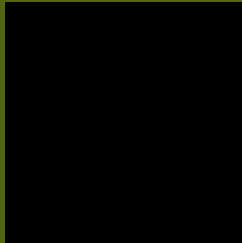
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 44.846, 116.019

Background



This preview shows how black text looks on a background with the CIELCh color 40, 44.846, 116.019.



This preview shows how white text looks on a background with the CIELCh color 40, 44.846, 116.019.

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

40, 44.846, 116.019

Protanopia

40, 41.615, 95.334

Deuteranopia

40, 38.950, 82.158



Tritanopia
40, 4.675, 265.404

Trichromacy



Original Color
40, 44.846, 116.019

Protanomaly
40, 41.980, 103.693

Deuteranomaly
40, 39.191, 95.959

Tritanomaly
40, 15.740, 124.294

Monochromacy



Original Color
40, 44.846, 116.019

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 18.543, 118.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 44.846, 116.019 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(82, 102, 21)` looks like.

```
.text, #text, p{  
    color:rgb(82, 102, 21)  
}
```

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(82, 102, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 102, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 44.846, 116.019 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(82, 102, 21) }
```

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

```
.border{ border-color:rgb(82, 102, 21) }
```

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

Here you see how a box with a 4 pixel rgb(82, 102, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 102, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 102, 21);  
box-shadow:4px 4px 4px 4px rgb(82, 102,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 44.846, 116.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 102, 21) }
```

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

```
.background{ background-color: rgb(82, 102,  
21) }
```

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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