

Converting Colors

CIELCh(45, 40.130, 109.147)

Have a look what the booklet for
CIELCh(45, 40.130, 109.147)
contains.

CIELCh(45, 40.243, 109.271)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 40.243, 109.271)

Conversions

Conversions Part 1

Format	Color
Hex	686F27
RGB	104, 111, 39
RGB Percent	41%, 44%, 15%
CMY	0.5910, 0.5636, 0.8459
CMYK	0.06, 0.00, 0.65, 0.56
HSL	66°, 48%, 30%
HSV	66°, 65%, 44%
XYZ	11.8310, 14.5417, 4.1274
YIQ	100.6990, 18.9400, -23.8760

Conversions

Conversions Part 2

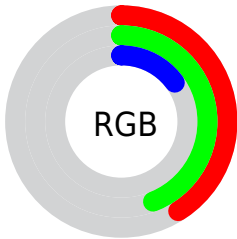
Format	Color
R_{YB}	39, 111, 46
Decimal	6844199
CIE _{Lab}	45.00, -13.28, 37.99
CIE _{LCh}	45, 40.243, 109.271
Yxy	14.5417, 0.3879, 0.4768
Android (android.graphics.Color)	4285034279 (0xFF686F27)
YUV	100.6990, -30.4176, 2.8950
Hunter-Lab	38.1336, -11.3541, 20.2763

Details

The CIELCh color $45, 40.243, 109.271$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $21, 48.079, 301.846$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 40.370, 109.562$, and $25, 35.443, 109.950$ is the 20% darker color. If you saturate the color by 10%, you get $45, 45.028, 108.820$, and if you desaturate by 10%, it is $45, 34.769, 109.869$.

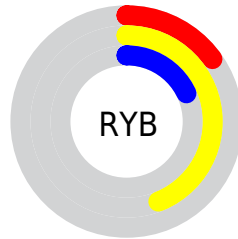
Distribution



Red (41%)

Green (44%)

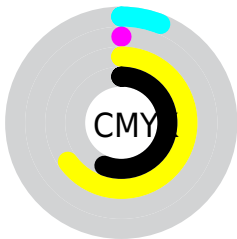
Blue (15%)



Red (15%)

Yellow (44%)

Blue (18%)

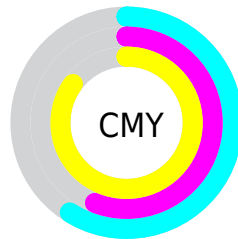


Cyan (6%)

Magenta (0%)

Yellow (65%)

Black (56%)



Cyan (59%)


Magenta (56%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 40.243, 109.271 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 45, 40.243, 109.271 by changing the saturation by 10% instead.


 45, 40.243,
109.271


 45, 40.243,
109.271


 100, 40.243,
109.271


 35, 40.243,
109.271

 65, 40.243,
109.271


 25, 40.243,
109.271

 75, 40.243,
109.271

 15, 40.243,
109.271

 85, 40.243,
109.271

 5, 40.243, 109.271

 95, 40.243,
109.271

 0, 40.243, 109.271

 45, 40.243,

 45, 40.243,

109.271

■ 45, 45.028,
108.820

■ 45, 48.847,
108.566

■ 45, 51.554,
108.539

■ 44, 52.921,
108.530

109.271

■ 45, 34.769,
109.869

■ 45, 28.834,
110.558

■ 46, 22.604,
111.304

■ 46, 16.191,
112.078

■ 46, 9.671, 112.859

■ 47, 3.095, 113.630

■ 47, 3.503, 294.398

■ 48, 10.100,
295.127

■ 48, 16.677,

Harmonies

Complementary

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



45, 40.243, 109.271



21, 48.079, 301.846

Rectangle

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



45, 40.243, 109.271



45, 40.243, 159.271



45, 40.243, 289.271



45, 40.243, 339.271

Sweetspot

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



45, 40.243, 109.273



59, 15.535, 112.483



28, 34.167, 32.534



31, 10.766, 112.307



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 40.243, 109.273



58, 57.243, 108.654



43, 44.647, 129.201



23, 3.728, 113.300



48, 55.798, 108.574



93, 95.361, 108.894

Inverse Universe

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



21, 48.079, 301.846



22, 72.657, 304.282



25, 47.910, 314.591



21, 3.803, 294.728



12, 75.974, 306.770



32, 130.233, 306.536

Previews

White Background



This preview shows how the CIELCh color 45, 40.243, 109.271 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 45, 40.243, 109.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

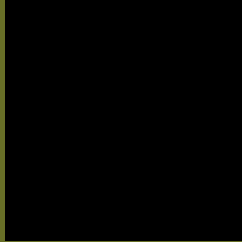
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 40.243, 109.271

Background



This preview shows how black text looks on a background with the CIELCh color 45, 40.243, 109.271.



This preview shows how white text looks on a background with the CIELCh color 45, 40.243, 109.271.

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


45, 40.243, 109.271

Protanopia

45, 39.262, 96.017

Deuteranopia

45, 37.186, 81.005



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color
45, 40.243, 109.271

Protanomaly
45, 39.748, 101.028

Deuteranomaly
45, 36.973, 91.975

Tritanomaly
45, 12.467, 104.350

Monochromacy



Original Color
45, 40.243, 109.271

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 15.491, 112.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 40.243, 109.271 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(104, 111, 39)` looks like.

```
.text, #text, p{  
    color:rgb(104, 111, 39)  
}
```

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(104, 111, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 111, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 40.243, 109.271 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(104, 111, 39) }
```

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

```
.border{ border-color:rgb(104, 111, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 111, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 111, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 111, 39);  
box-shadow:4px 4px 4px 4px rgb(104, 111,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 40.243, 109.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 111, 39) }
```

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

```
.background{ background-color: rgb(104,  
111, 39) }
```

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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