

Converting Colors

CIELCh(45, 37.412, 104.850)

Have a look what the booklet for
CIELCh(45, 37.412, 104.850)
contains.

CIELCh(45, 37.746, 104.815)	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, 37.746, 104.815)

Conversions

Conversions Part 1

Format	Color
Hex	6E6E2B
RGB	110, 110, 43
RGB Percent	43%, 43%, 17%
CMY	0.5700, 0.5700, 0.8327
CMYK	0.00, 0.00, 0.61, 0.57
HSL	60°, 44%, 30%
HSV	60°, 61%, 43%
XYZ	12.3546, 14.5417, 4.4094
YIQ	102.3620, 21.5070, -20.8370

Conversions

Conversions Part 2

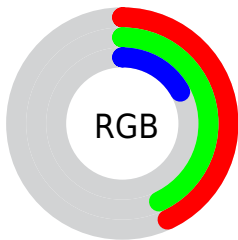
Format	Color
R_{YB}	43, 110, 43
Decimal	7237163
CIE Lab	45.00, -9.65, 36.49
CIE LCh	45, 37.746, 104.815
Yxy	14.5417, 0.3946, 0.4645
Android (android.graphics.Color)	4285427243 (0xFF6E6E2B)
YUV	102.3620, -29.2655, 6.6985
Hunter-Lab	38.1336, -8.9031, 19.8377

Details

The CIELCh color $45, 37.746, 104.815$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $21, 44.734, 299.128$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 37.313, 104.818$, and $25, 35.218, 105.650$ is the 20% darker color. If you saturate the color by 10%, you get $45, 42.724, 104.125$, and if you desaturate by 10%, it is $45, 32.172, 105.606$.

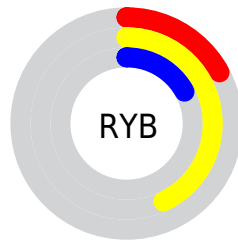
Distribution



Red (43%)

Green (43%)

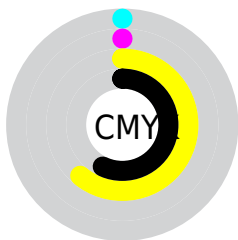
Blue (17%)



Red (17%)

Yellow (43%)

Blue (17%)

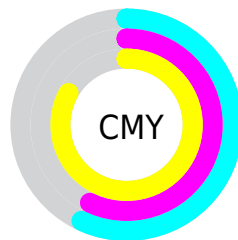


Cyan (0%)

Magenta (0%)

Yellow (61%)

Black (57%)



Cyan (57%)


Magenta (57%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 37.746, 104.815 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, 37.746, 104.815 by changing the saturation by 10% instead.


 45, 37.746,
104.815


 45, 37.746,
104.815


 100, 37.746,
104.815


 35, 37.746,
104.815

 65, 37.746,
104.815


 25, 37.746,
104.815

 75, 37.746,
104.815

 15, 37.746,
104.815

 85, 37.746,
104.815

 5, 37.746, 104.815

 95, 37.746,
104.815

 0, 37.746, 104.815

 45, 37.746,

 45, 37.746,

104.815

■ 45, 42.724,
104.125

■ 45, 46.842,
103.562

■ 45, 49.830,
103.162

■ 45, 52.046,
102.869

104.815

■ 45, 32.172,
105.606

■ 45, 26.206,
106.459

■ 45, 19.994,
107.352

■ 46, 13.633,
108.264

■ 46, 7.188, 109.178

■ 46, 0.701, 110.033

■ 47, 5.800, 290.988

■ 47, 12.294,
291.849

■ 47, 18.769,

292.680

Harmonies

Complementary

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



45, 37.746, 104.815



21, 44.734, 299.128

Rectangle

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



45, 37.746, 104.815



45, 37.746, 154.815



45, 37.746, 284.815



45, 37.746, 334.815

Sweetspot

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



45, 37.746, 104.817



59, 14.464, 108.502



27, 33.436, 26.919



30, 9.973, 108.296



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 37.746, 104.817



58, 53.737, 103.889



42, 40.960, 126.494



23, 3.716, 109.365



49, 55.449, 102.869



95, 94.699, 102.870

Inverse Universe

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



21, 44.734, 299.128



23, 67.458, 302.029



25, 44.677, 311.987



21, 3.792, 291.066



12, 76.564, 306.289



31, 130.762, 306.288

Previews

White Background



This preview shows how the CIELCh color 45, 37.746, 104.815 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, 37.746, 104.815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

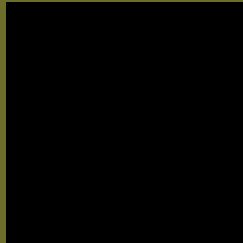
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 37.746, 104.815

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.746, 104.815.



This preview shows how white text looks on a background with the CIELCh color 45, 37.746, 104.815.

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, 37.746, 104.815

Protanopia

45, 37.363, 95.892

Deuteranopia

45, 36.227, 80.543



Tritanopia
45, 7.174, 338.684

Trichromacy



Original Color
45, 37.746, 104.815

Protanomaly
45, 37.536, 98.906

Deuteranomaly
45, 35.949, 89.378

Tritanomaly
45, 11.982, 89.109

Monochromacy



Original Color
45, 37.746, 104.815

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 14.836, 108.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.746, 104.815 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(110, 110, 43)` looks like.

```
.text, #text, p{  
    color:rgb(110, 110, 43)  
}
```

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(110, 110, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 110, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.746, 104.815 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(110, 110, 43) }
```

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

```
.border{ border-color:rgb(110, 110, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 110, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 110, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 110, 43);  
box-shadow:4px 4px 4px 4px rgb(110, 110,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.746, 104.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 110, 43) }
```

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

```
.background{ background-color: rgb(110,  
110, 43) }
```

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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