

Converting Colors

CIELCh(45, 34.552, 101.015)

Have a look what the booklet for
CIELCh(45, 34.552, 101.015)
contains.

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Color

CIELCh(45, 34.439, 100.459)

Conversions

Conversions Part 1

Format	Color
Hex	726C30
RGB	114, 108, 48
RGB Percent	45%, 42%, 19%
CMY	0.5526, 0.5761, 0.8114
CMYK	0.00, 0.05, 0.58, 0.55
HSL	55°, 41%, 32%
HSV	55°, 58%, 45%
XYZ	12.8588, 14.5417, 4.9345
YIQ	102.9540, 22.8360, -17.3880

Conversions

Conversions Part 2

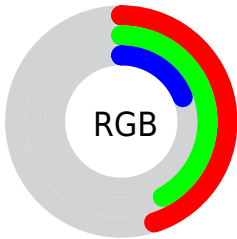
Format	Color
RYB	55, 114, 48
Decimal	7498800
CIELab	45.00, -6.25, 33.87
CIELCh	45, 34.439, 100.459
Yxy	14.5417, 0.3977, 0.4497
Android (android.graphics.Color)	4285688880 (0xFF726C30)
YUV	102.9540, -27.0923, 9.6873
Hunter-Lab	38.1336, -6.5428, 19.0214

Details

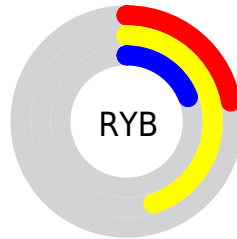
The CIELCh color **45, 34.439, 100.459** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **25, 39.277, 295.106**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 34.507, 99.939**, and **25, 34.354, 100.344** is the 20% darker color. If you saturate the color by 10%, you get **45, 39.565, 99.524**, and if you desaturate by 10%, it is **45, 28.858, 101.442**.

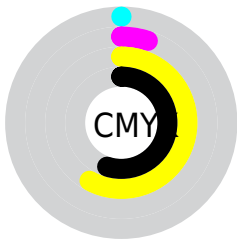
Distribution



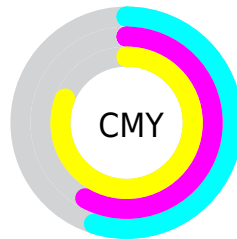
- Red (45%)
- Green (42%)
- Blue (19%)



- Red (22%)
- Yellow (45%)
- Blue (19%)



- Cyan (0%)
- Magenta (5%)
- Yellow (58%)
- Black (55%)





- Cyan (55%)
- Magenta (58%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 34.439, 100.459 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, 34.439, 100.459 by changing the saturation by 10% instead.


 45, 34.439,
100.459


 45, 34.439,
100.459


 100, 34.439,
100.459

 35, 34.439,
100.459

 65, 34.439,
100.459


 25, 34.439,
100.459

 75, 34.439,
100.459

 15, 34.439,
100.459

 85, 34.439,
100.459

 5, 34.439, 100.459

 95, 34.439,
100.459

 0, 34.439, 100.459

 45, 34.439,

 45, 34.439,

100.459

100.459

■ 45, 39.565, 99.524

■ 45, 28.858,
101.442

■ 44, 43.974, 98.646

■ 46, 23.004,
102.447

■ 44, 47.343, 97.843

■ 43, 49.770, 97.106

■ 46, 16.997,
103.461

■ 43, 50.316, 96.952

■ 47, 10.912,
104.470

■ 48, 4.798, 105.460

■ 48, 1.318, 286.499

■ 49, 7.415, 287.402

■ 50, 13.484,
288.309

■ 50, 19.516,

Harmonies

Complementary

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



45, 34.439, 100.459



25, 39.277, 295.106

Rectangle

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



45, 34.439, 100.459



45, 34.439, 150.459



45, 34.439, 280.459



45, 34.439, 330.459

Sweetspot

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



45, 34.440, 100.462



60, 12.853, 104.512



29, 31.501, 18.982



31, 8.541, 104.368



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, 34.440, 100.462



57, 49.374, 99.261



45, 39.243, 122.853



23, 3.389, 105.350



46, 52.101, 96.918



89, 88.688, 96.549

Inverse Universe

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



25, 39.277, 295.106



28, 59.236, 298.107



26, 43.556, 308.902



21, 3.446, 287.182



13, 71.768, 304.477



33, 126.502, 305.371

Previews

White Background



This preview shows how the CIELCh color 45, 34.439, 100.459 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, 34.439, 100.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

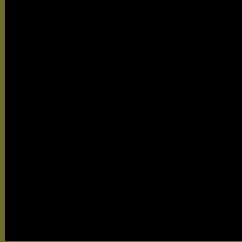
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 34.439, 100.459

Background



This preview shows how black text looks on a background with the CIELCh color 45, 34.439, 100.459.



This preview shows how white text looks on a background with the CIELCh color 45, 34.439, 100.459.

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, 34.439, 100.459

Protanopia

45, 34.284, 96.408

Deuteranopia

45, 33.778, 79.205



Tritanopia
45, 8.840, 348.016

Trichromacy



Original Color
45, 34.439, 100.459

Protanomaly
45, 34.203, 97.206

Deuteranomaly
45, 33.599, 87.873

Tritanomaly
45, 11.908, 77.247

Monochromacy



Original Color
45, 34.439, 100.459

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.096, 104.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 34.439, 100.459 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(114, 108, 48)` looks like.

```
.text, #text, p{  
    color:rgb(114, 108, 48)  
}
```

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(114, 108, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 108, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 34.439, 100.459 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(114, 108, 48) }
```

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

```
.border{ border-color:rgb(114, 108, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 108, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 108, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 108, 48);  
box-shadow:4px 4px 4px 4px rgb(114, 108,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 34.439, 100.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 108, 48) }
```

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

```
.background{ background-color: rgb(114,  
108, 48) }
```

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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