

Converting Colors

CIELCh(45, 10.732, 83.041)

Have a look what the booklet for
CIELCh(45, 10.732, 83.041) contains.

CIELCh(45, 10.686, 81.864)	3
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Color

CIELCh(45, 10.686, 81.864)

Conversions

Conversions Part 1

Format	Color
Hex	746959
RGB	116, 105, 89
RGB Percent	45%, 41%, 35%
CMY	0.5450, 0.5882, 0.6509
CMYK	0.00, 0.09, 0.23, 0.55
HSL	36°, 13%, 40%
HSV	36°, 23%, 45%
XYZ	14.0613, 14.5417, 11.5202
YIQ	106.4650, 11.6920, -2.6440

Conversions

Conversions Part 2

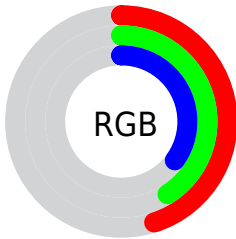
Format	Color
R_{YB}	108, 116, 89
Decimal	7629145
CIE Lab	45.00, 1.51, 10.58
CIE LCh	45, 10.686, 81.864
Yxy	14.5417, 0.3505, 0.3624
Android (android.graphics.Color)	4285819225 (0xFF746959)
YUV	106.4650, -8.6102, 8.3622
Hunter-Lab	38.1336, -0.9140, 8.7819

Details

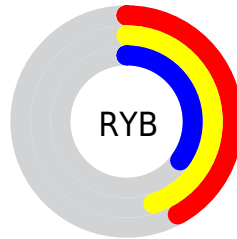
The CIELCh color **45, 10.686, 81.864** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 10.406, 268.047**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 10.587, 81.945**, and **25, 10.855, 83.516** is the 20% darker color. If you saturate the color by 10%, you get **43, 15.509, 80.595**, and if you desaturate by 10%, it is **47, 6.002, 83.109**.

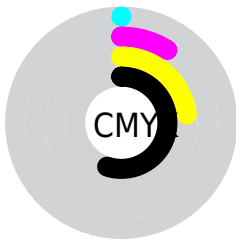
Distribution



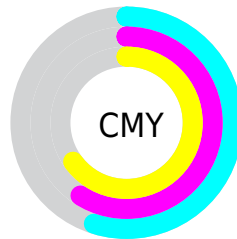
- Red (45%)
- Green (41%)
- Blue (35%)



- Red (42%)
- Yellow (45%)
- Blue (35%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (55%)



- Cyan (55%)
- Magenta (59%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 10.686, 81.864 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, 10.686, 81.864 by changing the saturation by 10% instead.

■ 45, 10.686, 81.864

■ 45, 10.686, 81.864

■ 100, 10.686,
81.864

■ 35, 10.686, 81.864

■ 65, 10.686, 81.864

■ 25, 10.686, 81.864

■ 75, 10.686, 81.864

■ 15, 10.686, 81.864

■ 85, 10.686, 81.864

■ 5, 10.686, 81.864

■ 95, 10.686, 81.864

■ 0, 10.686, 81.864

■ 45, 10.686, 81.864

■ 45, 10.686, 81.864

■ 43, 15.509, 80.595

■ 47, 6.002, 83.109

■ 42, 20.456, 79.283

■ 48, 1.454, 84.221

40, 25.494, 77.934

50, 2.964, 265.599

39, 30.544, 76.534

52, 7.260, 266.692

37, 35.454, 75.041

53, 11.446,
267.769

36, 39.947, 73.371

55, 15.532,
268.804

35, 43.625, 71.388

34, 46.233, 70.230

57, 19.527,
269.794

59, 23.440,
270.737

60, 27.280,
271.634

Harmonies

Complementary

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



45, 10.686, 81.864



42, 10.406, 268.047

Rectangle

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



45, 10.686, 81.864



45, 10.686, 131.864



45, 10.686, 261.864



45, 10.686, 311.864

Sweetspot

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



45, 10.687, 81.873



61, 3.878, 83.826



41, 13.247, 350.524



32, 2.541, 83.780



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 10.687, 81.873



57, 16.039, 81.182



48, 15.781, 111.597



24, 2.551, 83.612



36, 48.053, 70.025



71, 81.762, 68.019

Inverse Universe

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



42, 10.406, 268.047



52, 15.508, 268.992



39, 16.608, 295.631



23, 2.532, 265.935



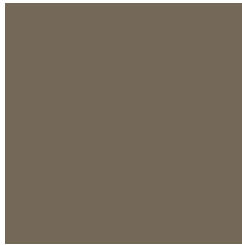
23, 48.244, 290.365



47, 86.645, 292.681

Previews

White Background



This preview shows how the CIELCh color 45, 10.686, 81.864 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, 10.686, 81.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

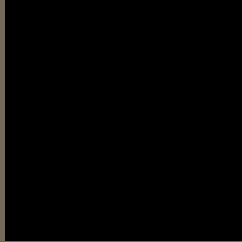
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 10.686, 81.864

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.686, 81.864.

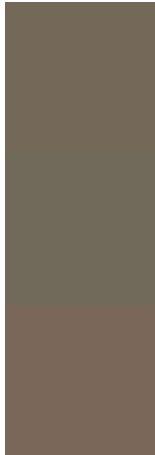


This preview shows how white text looks on a background with the CIELCh color 45, 10.686, 81.864.

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, 10.686, 81.864

Protanopia

45, 9.852, 93.398

Deuteranopia

45, 11.799, 57.175



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 10.686, 81.864

Protanomaly
45, 9.979, 90.961

Deuteranomaly
45, 10.827, 65.218

Tritanomaly
45, 6.380, 25.460

Monochromacy



Original Color
45, 10.686, 81.864

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.934, 84.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.686, 81.864 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(116, 105, 89)` looks like.

```
.text, #text, p{  
    color:rgb(116, 105, 89)  
}
```

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(116, 105, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 105, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.686, 81.864 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(116, 105, 89) }
```

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

```
.border{ border-color:rgb(116, 105, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 105, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 105, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 105, 89);  
box-shadow:4px 4px 4px 4px rgb(116, 105,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.686, 81.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 105, 89) }
```

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

```
.background{ background-color: rgb(116,  
105, 89) }
```

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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