

Converting Colors

CIELCh(45, 17.271, 85.983)

Have a look what the booklet for
CIELCh(45, 17.271, 85.983) contains.

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Color

CIELCh(45, 17.271, 86.207)

Conversions

Conversions Part 1

Format	Color
Hex	77694E
RGB	119, 105, 78
RGB Percent	47%, 41%, 31%
CMY	0.5338, 0.5887, 0.6945
CMYK	0.00, 0.12, 0.34, 0.53
HSL	40°, 21%, 39%
HSV	40°, 34%, 47%
XYZ	14.0024, 14.5417, 9.2559
YIQ	106.1080, 17.0110, -5.4290

Conversions

Conversions Part 2

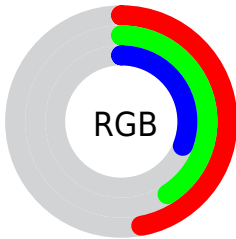
Format	Color
R_{YB}	99, 119, 78
Decimal	7825742
CIE _{Lab}	45.00, 1.14, 17.23
CIE _{LCh}	45, 17.271, 86.207
Yxy	14.5417, 0.3704, 0.3847
Android (android.graphics.Color)	4286015822 (0xFF77694E)
YUV	106.1080, -13.8572, 11.3063
Hunter-Lab	38.1336, -1.1897, 12.3025

Details

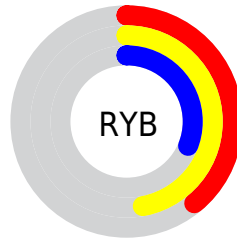
The CIELCh color $45, 17.271, 86.207$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 17.093, 275.706$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.386, 85.977$, and $25, 17.497, 85.669$ is the 20% darker color. If you saturate the color by 10%, you get $44, 22.469, 84.898$, and if you desaturate by 10%, it is $46, 12.141, 87.490$.

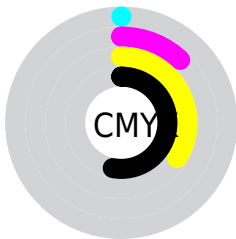
Distribution



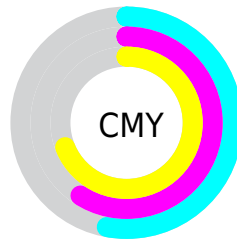
- Red (47%)
- Green (41%)
- Blue (31%)



- Red (39%)
- Yellow (47%)
- Blue (31%)



- Cyan (0%)
- Magenta (12%)
- Yellow (34%)
- Black (53%)



- Cyan (53%)
- Magenta (59%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 17.271, 86.207 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, 17.271, 86.207 by changing the saturation by 10% instead.

■ 45, 17.271, 86.207

■ 45, 17.271, 86.207

■ 100, 17.271,
86.207

■ 35, 17.271, 86.207

■ 65, 17.271, 86.207

■ 25, 17.271, 86.207

■ 75, 17.271, 86.207

■ 15, 17.271, 86.207

■ 85, 17.271, 86.207

■ 5, 17.271, 86.207

■ 95, 17.271, 86.207

■ 0, 17.271, 86.207

■ 45, 17.271, 86.207

■ 45, 17.271, 86.207

■ 44, 22.469, 84.898

■ 46, 12.141, 87.490

■ 42, 27.679, 83.543

■ 48, 7.104, 88.724

■ 41, 32.795, 82.134

■ 49, 2.170, 89.875

■ 40, 37.622, 80.635

■ 51, 2.660, 271.178

■ 39, 41.839, 78.974

■ 52, 7.390, 272.254

■ 37, 45.086, 77.058

■ 54, 12.026,
273.314

■ 37, 46.965, 76.098

■ 55, 16.575,
274.331

■ 57, 21.044,
275.300

■ 59, 25.440,
276.222

Harmonies

Complementary

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



45, 17.271, 86.207



39, 17.093, 275.706

Rectangle

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



45, 17.271, 86.207



45, 17.271, 136.207



45, 17.271, 266.207



45, 17.271, 316.207

Sweetspot

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



45, 17.272, 86.213



62, 6.085, 89.228



38, 19.574, 356.212



32, 4.189, 89.094



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 17.272, 86.213



57, 25.763, 85.222



49, 23.810, 113.604



24, 2.714, 89.372



38, 47.954, 76.003



74, 81.242, 74.282

Inverse Universe

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



39, 17.093, 275.706



48, 25.472, 277.255



35, 25.730, 299.146



23, 2.713, 271.635



20, 54.019, 294.781



43, 96.989, 296.839

Previews

White Background



This preview shows how the CIELCh color 45, 17.271, 86.207 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 45, 17.271, 86.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

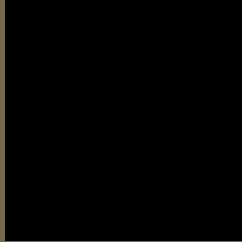
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.271, 86.207

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.271, 86.207.



This preview shows how white text looks on a background with the CIELCh color 45, 17.271, 86.207.

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, 17.271, 86.207

Protanopia

45, 16.391, 95.145

Deuteranopia

45, 18.199, 70.866



Tritanopia
45, 9.936, 352.150

Trichromacy



Original Color
45, 17.271, 86.207

Protanomaly
45, 16.625, 92.086

Deuteranomaly
45, 17.565, 76.621

Tritanomaly
45, 8.537, 36.417

Monochromacy



Original Color
45, 17.271, 86.207

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.308, 89.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.271, 86.207 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(119, 105, 78)` looks like.

```
.text, #text, p{  
    color:rgb(119, 105, 78)  
}
```

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(119, 105, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 105, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.271, 86.207 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(119, 105, 78) }
```

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

```
.border{ border-color:rgb(119, 105, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 105, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 105, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 105, 78);  
box-shadow:4px 4px 4px 4px rgb(119, 105,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.271, 86.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 105, 78) }
```

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

```
.background{ background-color: rgb(119,  
105, 78) }
```

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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