

Converting Colors

CIELCh(45, 7.658, 46.860)

Have a look what the booklet for
CIELCh(45, 7.658, 46.860) contains.

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Color

CIELCh(45, 7.783, 47.260)

Conversions

Conversions Part 1

Format	Color
Hex	776761
RGB	119, 103, 97
RGB Percent	47%, 40%, 38%
CMY	0.5325, 0.5953, 0.6189
CMYK	0.00, 0.13, 0.18, 0.53
HSL	16°, 10%, 42%
HSV	16°, 18%, 47%
XYZ	14.6713, 14.5417, 13.3896
YIQ	107.1000, 11.4620, 1.5260

Conversions

Conversions Part 2

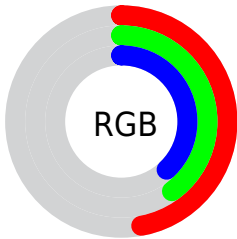
Format	Color
R_{YB}	119, 105, 97
Decimal	7825249
CIE _{Lab}	45.00, 5.28, 5.72
CIE _{LCh}	45, 7.783, 47.260
Yxy	14.5417, 0.3444, 0.3413
Android (android.graphics.Color)	4286015329 (0xFF776761)
YUV	107.1000, -4.9793, 10.4363
Hunter-Lab	38.1336, 1.9413, 5.8755

Details

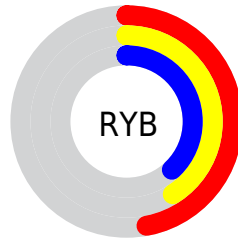
The CIELCh color $45, 7.783, 47.260$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 7.006, 229.499$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 7.515, 46.066$, and $25, 7.586, 45.947$ is the 20% darker color. If you saturate the color by 10%, you get $42, 12.462, 46.910$, and if you desaturate by 10%, it is $48, 3.437, 47.671$.

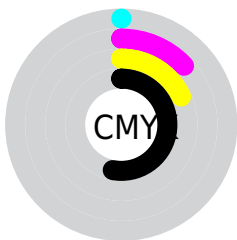
Distribution



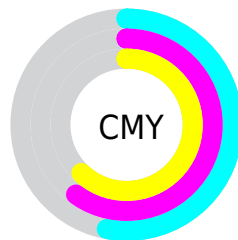
- Red (47%)
- Green (40%)
- Blue (38%)



- Red (47%)
- Yellow (41%)
- Blue (38%)



- Cyan (0%)
- Magenta (13%)
- Yellow (18%)
- Black (53%)




- Cyan (53%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 7.783, 47.260 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, 7.783, 47.260 by changing the saturation by 10% instead.

 45, 7.783, 47.260	 45, 7.783, 47.260
 100, 7.783, 47.260	 35, 7.783, 47.260
 65, 7.783, 47.260	 25, 7.783, 47.260
 75, 7.783, 47.260	 15, 7.783, 47.260
 85, 7.783, 47.260	 5, 7.783, 47.260
 95, 7.783, 47.260	 0, 7.783, 47.260

 45, 7.783, 47.260	 45, 7.783, 47.260
 42, 12.462, 46.910	 48, 3.437, 47.671
 40, 17.499, 46.638	 51, 0.605, 228.874
 37, 22.905, 46.483	 53, 4.373, 228.922

35, 28.666, 46.462

56, 7.897, 229.466

32, 34.727, 46.569

59, 11.206,
230.047

30, 40.937, 46.747

62, 14.326,
230.641

29, 46.965, 46.819

27, 52.213, 46.526

65, 17.279,
231.237

27, 52.979, 46.517

68, 20.086,
231.828

70, 22.764,
232.410

Harmonies

Complementary

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



45, 7.783, 47.260



47, 7.006, 229.499

Rectangle

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



45, 7.783, 47.260



45, 7.783, 97.260



45, 7.783, 227.260



45, 7.783, 277.260

Sweetspot

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



45, 7.783, 47.272



62, 3.003, 47.745



44, 13.197, 334.143



32, 2.011, 47.732



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

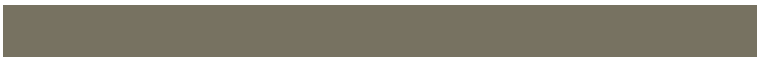
The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 7.783, 47.272



57, 11.711, 47.115



48, 10.130, 96.241



23, 2.260, 47.651



28, 54.208, 46.579



57, 95.098, 45.617

Inverse Universe

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



47, 7.006, 229.499



59, 10.273, 229.854



43, 10.277, 280.640



24, 2.154, 228.838



35, 26.998, 248.981



70, 46.664, 251.888

Previews

White Background



This preview shows how the CIELCh color 45, 7.783, 47.260 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, 7.783, 47.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

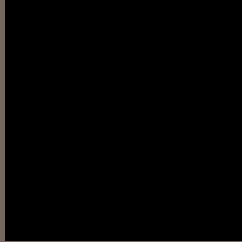
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 7.783, 47.260

Background



This preview shows how black text looks on a background with the CIELCh color 45, 7.783, 47.260.



This preview shows how white text looks on a background with the CIELCh color 45, 7.783, 47.260.

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, 7.783, 47.260

Protanopia

45, 4.482, 87.403

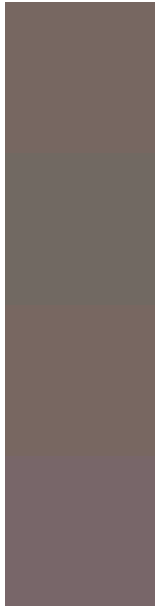
Deuteranopia

45, 8.178, 45.884



Tritanopia
45, 9.570, 350.873

Trichromacy



Original Color
45, 7.783, 47.260

Protanomaly
45, 5.375, 70.203

Deuteranomaly
45, 8.178, 45.884

Tritanomaly
45, 7.769, 7.143

Monochromacy



Original Color
45, 7.783, 47.260

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.735, 60.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 7.783, 47.260 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, 103, 97)` looks like.

```
.text, #text, p{  
    color:rgb(119, 103, 97)  
}
```

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, 103, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 103, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 7.783, 47.260 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, 103, 97) }
```

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

```
.border{ border-color:rgb(119, 103, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 103, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 103, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 103, 97);  
box-shadow:4px 4px 4px 4px rgb(119, 103,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 7.783, 47.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 103, 97) }
```

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

```
.background{ background-color: rgb(119,  
103, 97) }
```

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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