

Converting Colors

CIELCh(45, 10.273, 46.497)

Have a look what the booklet for
CIELCh(45, 10.273, 46.497) contains.

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Color

CIELCh(45, 10.389, 47.415)

Conversions

Conversions Part 1

Format	Color
Hex	7B665E
RGB	123, 102, 94
RGB Percent	48%, 40%, 37%
CMY	0.5174, 0.5997, 0.6311
CMYK	0.00, 0.17, 0.24, 0.52
HSL	17°, 13%, 43%
HSV	17°, 24%, 48%
XYZ	14.9600, 14.5417, 12.6239
YIQ	107.3670, 15.0840, 1.9640

Conversions

Conversions Part 2

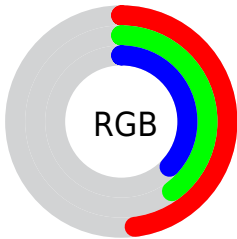
Format	Color
R_{YB}	123, 105, 94
Decimal	8087134
CIE Lab	45.00, 7.03, 7.65
CIE LCh	45, 10.389, 47.415
Yxy	14.5417, 0.3551, 0.3452
Android (android.graphics.Color)	4286277214 (0xFF7B665E)
YUV	107.3670, -6.5899, 13.7101
Hunter-Lab	38.1336, 3.2927, 7.0659

Details

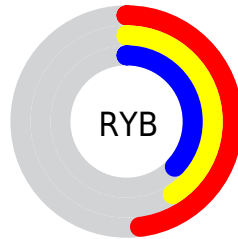
The CIELCh color $45, 10.389, 47.415$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 9.055, 230.373$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.528, 48.224$, and $25, 10.572, 46.390$ is the 20% darker color. If you saturate the color by 10%, you get $42, 15.374, 47.087$, and if you desaturate by 10%, it is $48, 5.759, 47.833$.

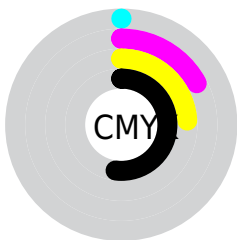
Distribution



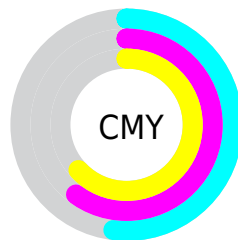
- Red (48%)
- Green (40%)
- Blue (37%)



- Red (48%)
- Yellow (41%)
- Blue (37%)



- Cyan (0%)
- Magenta (17%)
- Yellow (24%)
- Black (52%)















- Cyan (52%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 10.389, 47.415 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, 10.389, 47.415 by changing the saturation by 10% instead.

 45, 10.389, 47.415	 45, 10.389, 47.415
 100, 10.389, 47.415	 35, 10.389, 47.415
 65, 10.389, 47.415	 25, 10.389, 47.415
 75, 10.389, 47.415	 15, 10.389, 47.415
 85, 10.389, 47.415	 5, 10.389, 47.415
 95, 10.389, 47.415	 0, 10.389, 47.415

 45, 10.389, 47.415	 45, 10.389, 47.415
 42, 15.374, 47.087	 48, 5.759, 47.833
 40, 20.734, 46.854	 51, 1.458, 48.149

■ 37, 26.470, 46.747

■ 53, 2.547, 229.089

■ 35, 32.549, 46.772

■ 56, 6.286, 229.586

■ 32, 38.869, 46.902

■ 59, 9.791, 230.167

■ 30, 45.192, 47.025

■ 62, 13.088,
230.768

■ 29, 51.001, 46.853

■ 65, 16.203,
231.376

■ 28, 54.389, 46.751

■ 68, 19.159,
231.981

■ 71, 21.973,
232.578

Harmonies

Complementary

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



45, 10.389, 47.415



47, 9.055, 230.373

Rectangle

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



45, 10.389, 47.415



45, 10.389, 97.415



45, 10.389, 227.415



45, 10.389, 277.415

Sweetspot

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



45, 10.388, 47.425



64, 3.609, 48.088



43, 17.320, 334.500



33, 2.367, 48.073



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 10.388, 47.425



56, 15.653, 47.241



49, 13.304, 95.641



24, 2.341, 48.019



28, 55.098, 46.779



57, 95.699, 45.731

Inverse Universe

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



47, 9.055, 230.373



59, 13.190, 230.902



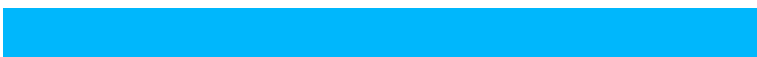
43, 13.555, 281.404



25, 2.230, 229.237



36, 27.526, 249.700



70, 47.246, 252.539

Previews

White Background



This preview shows how the CIELCh color 45, 10.389, 47.415 looks on a white background.

Color Contrast Check

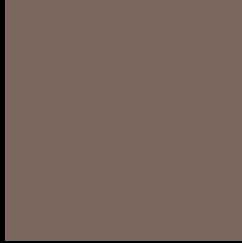
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.389, 47.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

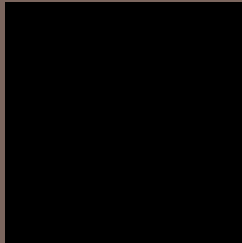
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 10.389, 47.415

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.389, 47.415.

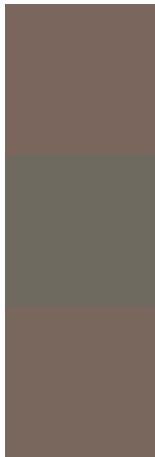


This preview shows how white text looks on a background with the CIELCh color 45, 10.389, 47.415.

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, 10.389, 47.415

Protanopia

45, 6.308, 89.506

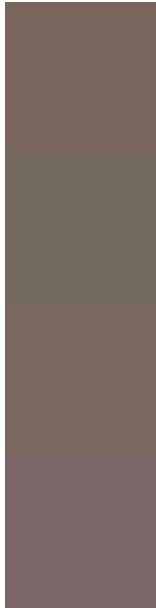
Deuteranopia

45, 9.542, 54.036



Tritanopia
45, 11.463, 356.500

Trichromacy



Original Color
45, 10.389, 47.415

Protanomaly
45, 7.350, 73.363

Deuteranomaly
45, 9.917, 52.624

Tritanomaly
45, 9.835, 13.750

Monochromacy



Original Color
45, 10.389, 47.415

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.800, 47.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.389, 47.415 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(123, 102, 94)` looks like.

```
.text, #text, p{  
    color:rgb(123, 102, 94)  
}
```

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(123, 102, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 102, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.389, 47.415 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(123, 102, 94) }
```

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

```
.border{ border-color:rgb(123, 102, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 102, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 102, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 102, 94);  
box-shadow:4px 4px 4px 4px rgb(123, 102,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.389, 47.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 102, 94) }
```

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

```
.background{ background-color: rgb(123,  
102, 94) }
```

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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