

Converting Colors

CIELCh(45, 26.853, 95.747)

Have a look what the booklet for
CIELCh(45, 26.853, 95.747) contains.

CIELCh(45, 27.272, 96.364)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 27.272, 96.364)

Conversions

Conversions Part 1

Format	Color
Hex	756B3D
RGB	117, 107, 61
RGB Percent	46%, 42%, 24%
CMY	0.5425, 0.5816, 0.7620
CMYK	0.00, 0.09, 0.48, 0.54
HSL	49°, 32%, 35%
HSV	49°, 48%, 46%
XYZ	13.3502, 14.5417, 6.4759
YIQ	104.7460, 20.7260, -12.1860

Conversions

Conversions Part 2

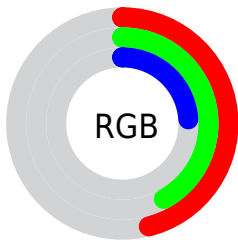
Format	Color
R _Y B	73, 117, 61
Decimal	7695165
CIE Lab	45.00, -3.02, 27.10
CIE LCh	45, 27.272, 96.364
Yxy	14.5417, 0.3885, 0.4231
Android (android.graphics.Color)	4285885245 (0xFF756B3D)
YUV	104.7460, -21.5668, 10.7468
Hunter-Lab	38.1336, -4.2427, 16.6249

Details

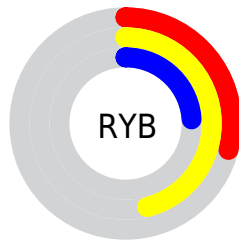
The CIELCh color $45, 27.272, 96.364$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 29.277, 288.931$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 27.391, 96.457$, and $25, 27.367, 96.465$ is the 20% darker color. If you saturate the color by 10%, you get $44, 32.687, 95.221$, and if you desaturate by 10%, it is $46, 21.663, 97.508$.

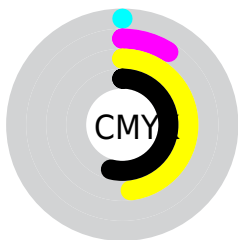
Distribution



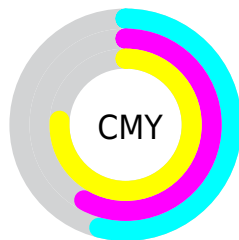
- Red (46%)
- Green (42%)
- Blue (24%)



- Red (29%)
- Yellow (46%)
- Blue (24%)



- Cyan (0%)
- Magenta (9%)
- Yellow (48%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.272, 96.364 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, 27.272, 96.364 by changing the saturation by 10% instead.

■ 45, 27.272, 96.364 ■ 45, 27.272, 96.364

■ 100, 27.272, 96.364 ■ 35, 27.272, 96.364

■ 65, 27.272, 96.364 ■ 25, 27.272, 96.364

■ 75, 27.272, 96.364 ■ 15, 27.272, 96.364

■ 85, 27.272, 96.364 ■ 5, 27.272, 96.364

■ 95, 27.272, 96.364 ■ 0, 27.272, 96.364

■ 45, 27.272, 96.364 ■ 45, 27.272, 96.364

■ 44, 32.687, 95.221 ■ 46, 21.663, 97.508

■ 44, 37.733, 94.072 ■ 47, 15.964, 98.636

■ 43, 42.148, 92.919

■ 47, 10.239, 99.741

■ 42, 45.575, 91.744

■ 48, 4.525, 100.812

■ 42, 48.079, 90.554

■ 49, 1.156, 281.969

■ 41, 48.628, 90.323

■ 50, 6.794, 282.912

■ 51, 12.382,
283.878

■ 52, 17.918,
284.806

■ 53, 23.401,
285.692

Harmonies

Complementary

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



45, 27.272, 96.364



31, 29.277, 288.931

Rectangle

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



45, 27.272, 96.364



45, 27.272, 146.364



45, 27.272, 276.364



45, 27.272, 326.364

Sweetspot

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



45, 27.273, 96.368



61, 9.814, 100.135



33, 26.078, 10.550



31, 6.832, 99.946



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, 27.273, 96.368



56, 40.208, 95.053



46, 32.997, 119.888



24, 3.211, 100.700



43, 50.305, 90.251



84, 84.880, 89.446

Inverse Universe

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



31, 29.277, 288.931



36, 44.454, 291.521



30, 36.338, 305.705



23, 3.251, 282.696



15, 67.475, 302.212



35, 119.617, 303.544

Previews

White Background



This preview shows how the CIELCh color 45, 27.272, 96.364 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, 27.272, 96.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

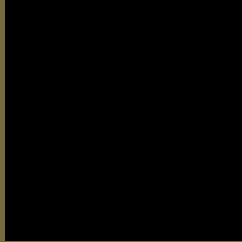
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.272, 96.364

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.272, 96.364.



This preview shows how white text looks on a background with the CIELCh color 45, 27.272, 96.364.

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, 27.272, 96.364

Protanopia

45, 27.272, 96.364

Deuteranopia

45, 27.408, 77.575



Tritanopia
45, 9.936, 352.150

Trichromacy



Original Color
45, 27.272, 96.364

Protanomaly
45, 27.272, 96.364

Deuteranomaly
45, 26.784, 84.735

Tritanomaly
45, 10.388, 63.108

Monochromacy



Original Color
45, 27.272, 96.364

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.257, 98.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.272, 96.364 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(117, 107, 61)` looks like.

```
.text, #text, p{  
    color:rgb(117, 107, 61)  
}
```

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(117, 107, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 107, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.272, 96.364 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(117, 107, 61) }
```

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

```
.border{ border-color:rgb(117, 107, 61) }
```

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

Here you see how a box with a 4 pixel rgb(117, 107, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 107, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 107, 61);  
box-shadow:4px 4px 4px 4px rgb(117, 107,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.272, 96.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 107, 61) }
```

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

```
.background{ background-color: rgb(117,  
107, 61) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor