

Converting Colors

CIELCh(45, 19.394, 93.328)

Have a look what the booklet for
CIELCh(45, 19.394, 93.328) contains.

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Color

CIELCh(45, 19.462, 93.835)

Conversions

Conversions Part 1

Format	Color
Hex	746A4A
RGB	116, 106, 74
RGB Percent	45%, 42%, 29%
CMY	0.5447, 0.5839, 0.7095
CMYK	0.00, 0.09, 0.36, 0.54
HSL	46°, 22%, 37%
HSV	46°, 36%, 46%
XYZ	13.6172, 14.5417, 8.5829
YIQ	105.3420, 16.2320, -7.8320

Conversions

Conversions Part 2

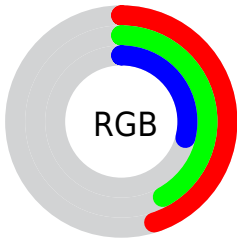
Format	Color
RYB	87, 116, 74
Decimal	7629386
CIELab	45.00, -1.30, 19.42
CIELCh	45, 19.462, 93.835
Yxy	14.5417, 0.3706, 0.3958
Android (android.graphics.Color)	4285819466 (0xFF746A4A)
YUV	105.3420, -15.4516, 9.3471
Hunter-Lab	38.1336, -2.9929, 13.3489

Details

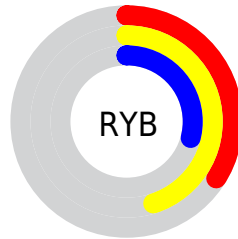
The CIELCh color **45, 19.462, 93.835** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 20.049, 283.212**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 19.435, 93.215**, and **25, 19.777, 93.735** is the 20% darker color. If you saturate the color by 10%, you get **44, 24.858, 92.620**, and if you desaturate by 10%, it is **46, 14.040, 95.033**.

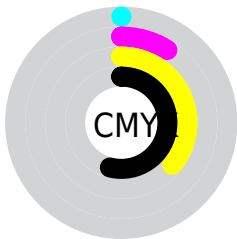
Distribution



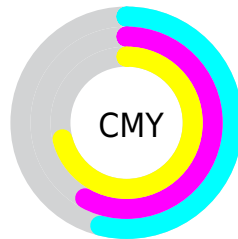
- Red (45%)
- Green (42%)
- Blue (29%)



- Red (34%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (9%)
- Yellow (36%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 19.462, 93.835 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, 19.462, 93.835 by changing the saturation by 10% instead.

■ 45, 19.462, 93.835 ■ 45, 19.462, 93.835

■ 100, 19.462, 93.835 ■ 35, 19.462, 93.835

■ 65, 19.462, 93.835 ■ 25, 19.462, 93.835

■ 75, 19.462, 93.835 ■ 15, 19.462, 93.835

■ 85, 19.462, 93.835 ■ 5, 19.462, 93.835

■ 95, 19.462, 93.835 ■ 0, 19.462, 93.835

■ 45, 19.462, 93.835 ■ 45, 19.462, 93.835

■ 44, 24.858, 92.620 ■ 46, 14.040, 95.033

■ 43, 30.142, 91.375 ■ 47, 8.637, 96.194

■ 42, 35.172, 90.103

■ 48, 3.278, 97.303

■ 41, 39.713, 88.786

■ 49, 2.022, 278.493

■ 40, 43.422, 87.389

■ 50, 7.259, 279.502

■ 40, 46.132, 85.890

■ 52, 12.431,
280.502

■ 39, 47.236, 85.356

■ 53, 17.540,
281.462

■ 54, 22.588,
282.376

■ 55, 27.576,
283.245

Harmonies

Complementary

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



45, 19.462, 93.835



36, 20.049, 283.212

Rectangle

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



45, 19.462, 93.835



45, 19.462, 143.835



45, 19.462, 273.835



45, 19.462, 323.835

Sweetspot

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



45, 19.463, 93.840



61, 7.239, 96.748



37, 19.489, 3.541



32, 4.905, 96.632



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, 19.463, 93.840



57, 28.624, 92.878



47, 24.783, 117.747



24, 3.016, 96.994



41, 49.035, 85.242



80, 82.761, 84.095

Inverse Universe

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



36, 20.049, 283.212



44, 29.782, 284.761



34, 26.711, 302.572



23, 3.041, 279.095



17, 62.861, 299.998



38, 112.197, 301.618

Previews

White Background



This preview shows how the CIELCh color 45, 19.462, 93.835 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, 19.462, 93.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

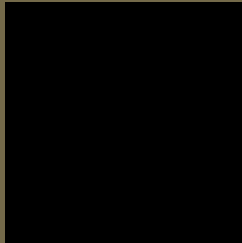
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.462, 93.835

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.462, 93.835.

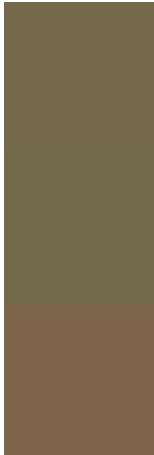


This preview shows how white text looks on a background with the CIELCh color 45, 19.462, 93.835.

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, 19.462, 93.835

Protanopia

45, 19.353, 95.159

Deuteranopia

45, 19.975, 72.462



Tritanopia
45, 8.553, 351.417

Trichromacy



Original Color
45, 19.462, 93.835

Protanomaly
45, 19.353, 95.159

Deuteranomaly
45, 19.133, 78.946

Tritanomaly
45, 8.097, 50.866

Monochromacy



Original Color
45, 19.462, 93.835

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.763, 94.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.462, 93.835 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, 106, 74)` looks like.

```
.text, #text, p{  
    color:rgb(116, 106, 74)  
}
```

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, 106, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 106, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.462, 93.835 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, 106, 74) }
```

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

```
.border{ border-color:rgb(116, 106, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 106, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 106, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 106, 74);  
box-shadow:4px 4px 4px 4px rgb(116, 106,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.462, 93.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 106, 74) }
```

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

```
.background{ background-color: rgb(116,  
106, 74) }
```

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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