

Converting Colors

CIELCh(45, 16.267, 96.729)

Have a look what the booklet for
CIELCh(45, 16.267, 96.729) contains.

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Color

CIELCh(45, 16.267, 96.729)

Conversions

Conversions Part 1

Format	Color
Hex	726B50
RGB	114, 107, 80
RGB Percent	45%, 42%, 31%
CMY	0.5547, 0.5821, 0.6880
CMYK	0.00, 0.06, 0.30, 0.55
HSL	48°, 18%, 38%
HSV	48°, 30%, 45%
XYZ	13.5230, 14.5417, 9.6005
YIQ	106.0150, 12.8390, -6.9130

Conversions

Conversions Part 2

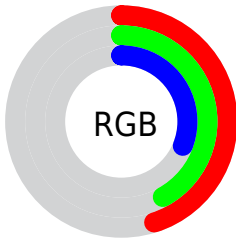
Format	Color
R _Y B	89, 114, 80
Decimal	7498576
CIE Lab	45.00, -1.91, 16.15
CIE LCh	45, 16.267, 96.729
Yxy	14.5417, 0.3590, 0.3861
Android (android.graphics.Color)	4285688656 (0xFF726B50)
YUV	106.0150, -12.8254, 7.0028
Hunter-Lab	38.1336, -3.4336, 11.7666

Details

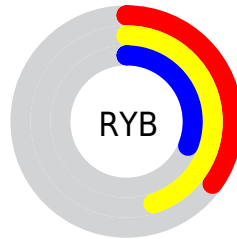
The CIELCh color **45, 16.267, 96.729** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 16.786, 284.040**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 16.341, 96.841**, and **25, 16.377, 97.705** is the 20% darker color. If you saturate the color by 10%, you get **44, 21.717, 95.572**, and if you desaturate by 10%, it is **46, 10.802, 97.871**.

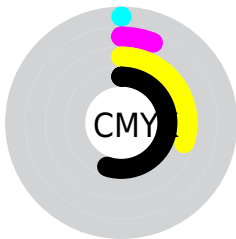
Distribution



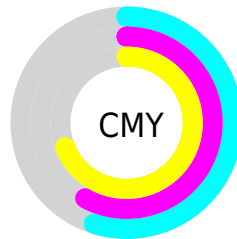
- Red (45%)
- Green (42%)
- Blue (31%)



- Red (35%)
- Yellow (45%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (30%)
- Black (55%)





















- Cyan (55%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 16.267, 96.729 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, 16.267, 96.729 by changing the saturation by 10% instead.

 45, 16.267, 96.729	 45, 16.267, 96.729
 100, 16.267, 96.729	 35, 16.267, 96.729
 65, 16.267, 96.729	 25, 16.267, 96.729
 75, 16.267, 96.729	 15, 16.267, 96.729
 85, 16.267, 96.729	 5, 16.267, 96.729
 95, 16.267, 96.729	 0, 16.267, 96.729
 45, 16.267, 96.729	 45, 16.267, 96.729
 44, 21.717, 95.572	 46, 10.802, 97.871
 43, 27.087, 94.392	 47, 5.356, 98.973

42, 32.270, 93.198

48, 0.050, 282.182

42, 37.091, 91.987

49, 5.407, 281.130

41, 41.278, 90.748

50, 10.709,
282.118

40, 44.468, 89.449

51, 15.955,
283.070

39, 47.082, 88.148

52, 21.145,
283.979

39, 47.106, 88.138

53, 26.281,
284.843

54, 31.363,
285.664

Harmonies

Complementary

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



45, 16.267, 96.729



37, 16.786, 284.040

Rectangle

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



45, 16.267, 96.729



45, 16.267, 146.729



45, 16.267, 276.729



45, 16.267, 326.729

Sweetspot

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



45, 16.268, 96.734



60, 6.034, 99.046



38, 15.523, 5.113



31, 4.169, 98.922



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 16.268, 96.734



57, 24.326, 95.920



46, 20.309, 119.483



23, 3.006, 99.073



42, 48.935, 88.039



82, 83.162, 87.053

Inverse Universe

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



37, 16.786, 284.040



45, 25.343, 285.256



36, 21.517, 303.148



22, 3.037, 281.098



16, 64.321, 301.203



36, 115.441, 302.721

Previews

White Background



This preview shows how the CIELCh color 45, 16.267, 96.729 looks on a white background.

Color Contrast Check

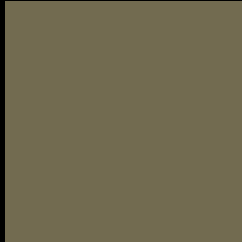
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.267, 96.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

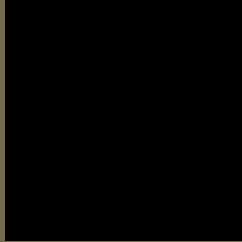
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 16.267, 96.729

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.267, 96.729.

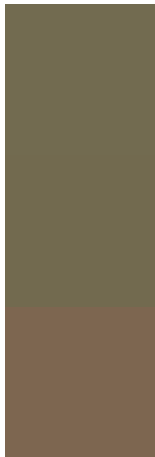


This preview shows how white text looks on a background with the CIELCh color 45, 16.267, 96.729.

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, 16.267, 96.729

Protanopia

45, 16.391, 95.145

Deuteranopia

45, 16.925, 69.972



Tritanopia
45, 7.821, 342.864

Trichromacy



Original Color
45, 16.267, 96.729

Protanomaly
45, 16.391, 95.145

Deuteranomaly
45, 16.285, 79.817

Tritanomaly
45, 5.922, 49.919

Monochromacy



Original Color
45, 16.267, 96.729

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.074, 97.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.267, 96.729 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(114, 107, 80)` looks like.

```
.text, #text, p{  
    color:rgb(114, 107, 80)  
}
```

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(114, 107, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 107, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.267, 96.729 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(114, 107, 80) }
```

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

```
.border{ border-color:rgb(114, 107, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 107, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 107, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 107, 80);  
box-shadow:4px 4px 4px 4px rgb(114, 107,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.267, 96.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 107, 80) }
```

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

```
.background{ background-color: rgb(114,  
107, 80) }
```

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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