

Converting Colors

CIELCh(45, 11.584, 83.790)

Have a look what the booklet for
CIELCh(45, 11.584, 83.790) contains.

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Color

CIELCh(45, 11.769, 84.189)

Conversions

Conversions Part 1

Format	Color
Hex	746957
RGB	116, 105, 87
RGB Percent	45%, 41%, 34%
CMY	0.5446, 0.5877, 0.6583
CMYK	0.00, 0.09, 0.25, 0.54
HSL	37°, 14%, 40%
HSV	37°, 25%, 46%
XYZ	14.0102, 14.5417, 11.1122
YIQ	106.2370, 12.3340, -3.2660

Conversions

Conversions Part 2

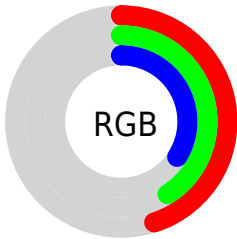
Format	Color
RYB	105, 116, 87
Decimal	7629143
CIELab	45.00, 1.19, 11.71
CIElCh	45, 11.769, 84.189
Yxy	14.5417, 0.3532, 0.3666
Android (android.graphics.Color)	4285819223 (0xFF746957)
YUV	106.2370, -9.4838, 8.5622
Hunter-Lab	38.1336, -1.1532, 9.4162

Details

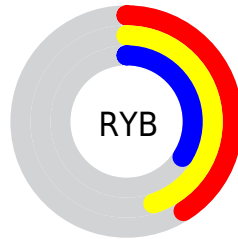
The CIELCh color **45, 11.769, 84.189** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 11.543, 270.840**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 11.593, 84.238**, and **25, 11.458, 84.638** is the 20% darker color. If you saturate the color by 10%, you get **43, 16.692, 82.911**, and if you desaturate by 10%, it is **47, 6.964, 85.442**.

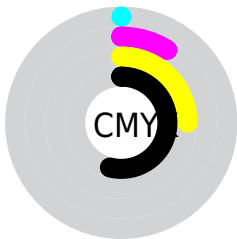
Distribution



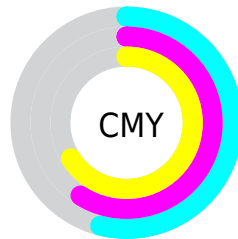
- Red (45%)
- Green (41%)
- Blue (34%)



- Red (41%)
- Yellow (45%)
- Blue (34%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (54%)





















- Cyan (54%)
- Magenta (59%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 11.769, 84.189 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, 11.769, 84.189 by changing the saturation by 10% instead.

 45, 11.769, 84.189	 45, 11.769, 84.189
 100, 11.769, 84.189	 35, 11.769, 84.189
 65, 11.769, 84.189	 25, 11.769, 84.189
 75, 11.769, 84.189	 15, 11.769, 84.189
 85, 11.769, 84.189	 5, 11.769, 84.189
 95, 11.769, 84.189	 0, 11.769, 84.189

 45, 11.769, 84.189	 45, 11.769, 84.189
 43, 16.692, 82.911	 47, 6.964, 85.442
 42, 21.711, 81.588	 48, 2.280, 86.606

41, 26.780, 80.224

50, 2.284, 267.944

39, 31.804, 78.803

51, 6.737, 269.024

38, 36.602, 77.282

53, 11.087,
270.100

37, 40.863, 75.574

55, 15.341,
271.134

35, 44.280, 73.596

35, 46.162, 72.746

56, 19.510,
272.121

58, 23.600,
273.062

60, 27.618,
273.956

Harmonies

Complementary

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



45, 11.769, 84.189



41, 11.543, 270.840

Rectangle

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



45, 11.769, 84.189



45, 11.769, 134.189



45, 11.769, 264.189



45, 11.769, 314.189

Sweetspot

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



45, 11.770, 84.197



61, 3.980, 86.366



40, 13.999, 352.823



32, 2.608, 86.321



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, 11.770, 84.197



57, 17.607, 83.458



48, 16.973, 112.878



24, 2.617, 86.152



37, 47.936, 72.557



72, 81.402, 70.660

Inverse Universe

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



41, 11.543, 270.840



51, 17.184, 271.866



38, 17.924, 296.979



23, 2.605, 268.456



22, 50.691, 292.362



46, 91.058, 294.569

Previews

White Background



This preview shows how the CIELCh color 45, 11.769, 84.189 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, 11.769, 84.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

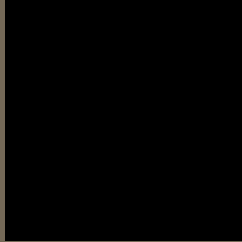
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 11.769, 84.189

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.769, 84.189.



This preview shows how white text looks on a background with the CIELCh color 45, 11.769, 84.189.

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, 11.769, 84.189

Protanopia

45, 11.118, 92.573

Deuteranopia

45, 12.615, 61.142



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 11.769, 84.189

Protanomaly
45, 11.251, 90.403

Deuteranomaly
45, 12.051, 67.316

Tritanomaly
45, 6.380, 25.460

Monochromacy



Original Color
45, 11.769, 84.189

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.482, 87.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.769, 84.189 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, 105, 87)` looks like.

```
.text, #text, p{  
    color:rgb(116, 105, 87)  
}
```

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, 105, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 105, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.769, 84.189 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, 105, 87) }
```

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

```
.border{ border-color:rgb(116, 105, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 105, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 105, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 105, 87);  
box-shadow:4px 4px 4px 4px rgb(116, 105,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.769, 84.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 105, 87) }
```

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

```
.background{ background-color: rgb(116,  
105, 87) }
```

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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