

Converting Colors

CIELCh(44, 15.795, 96.322)

Have a look what the booklet for
CIELCh(44, 15.795, 96.322) contains.

CIELCh(44, 15.769, 96.350)	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(44, 15.769, 96.350)

Conversions

Conversions Part 1

Format	Color
Hex	6F684E
RGB	111, 104, 78
RGB Percent	44%, 41%, 31%
CMY	0.5646, 0.5920, 0.6940
CMYK	0.00, 0.06, 0.30, 0.56
HSL	47°, 17%, 37%
HSV	47°, 30%, 44%
XYZ	12.8885, 13.8382, 9.2044
YIQ	103.1290, 12.5180, -6.6020

Conversions

Conversions Part 2

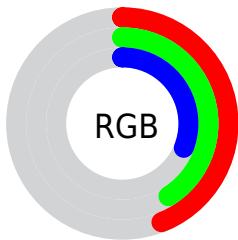
Format	Color
R_{YB}	87, 111, 78
Decimal	7301198
CIE _{Lab}	44.00, -1.74, 15.67
CIE _{LCh}	44, 15.769, 96.350
Yxy	13.8382, 0.3587, 0.3851
Android (android.graphics.Color)	4285491278 (0xFF6F684E)
YUV	103.1290, -12.3886, 6.9029
Hunter-Lab	37.1997, -3.2551, 11.3695

Details

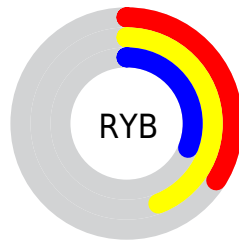
The CIELCh color $44, 15.769, 96.350$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 16.241, 283.624$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 15.857, 96.480$, and $24, 15.972, 95.489$ is the 20% darker color. If you saturate the color by 10%, you get $43, 21.095, 95.189$, and if you desaturate by 10%, it is $45, 10.434, 97.496$.

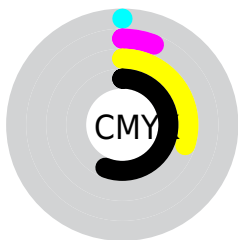
Distribution



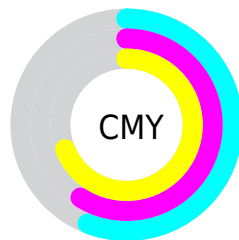
- Red (44%)
- Green (41%)
- Blue (31%)



- Red (34%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (30%)
- Black (56%)



- Cyan (56%)
- Magenta (59%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 15.769, 96.350 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 44, 15.769, 96.350 by changing the saturation by 10% instead.

■ 44, 15.769, 96.350

■ 44, 15.769, 96.350

■ 100, 15.769,
96.350

■ 34, 15.769, 96.350

■ 64, 15.769, 96.350

■ 24, 15.769, 96.350

■ 74, 15.769, 96.350

■ 14, 15.769, 96.350

■ 84, 15.769, 96.350

■ 4, 15.769, 96.350

■ 94, 15.769, 96.350

■ 0, 15.769, 96.350

■ 44, 15.769, 96.350

■ 44, 15.769, 96.350

■ 43, 21.095, 95.189

■ 45, 10.434, 97.496

■ 42, 26.351, 94.003

■ 46, 5.120, 98.599

41, 31.434, 92.801

47, 0.151, 280.406

41, 36.178, 91.579

48, 5.372, 280.761

40, 40.323, 90.325

49, 10.537,
281.751

39, 43.513, 89.005

50, 15.647,
282.704

38, 46.164, 87.685

38, 46.246, 87.651

51, 20.700,
283.614

52, 25.700,
284.480

53, 30.646,
285.302

Harmonies

Complementary

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



44, 15.769, 96.350



36, 16.241, 283.624

Rectangle

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



44, 15.769, 96.350



44, 15.769, 146.350



44, 15.769, 276.350



44, 15.769, 326.350

Sweetspot

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



44, 15.770, 96.355



59, 5.909, 98.651



37, 15.133, 5.077



31, 4.141, 98.525



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 15.770, 96.355



56, 23.842, 95.511



45, 19.812, 119.498



23, 2.986, 98.676



41, 48.802, 87.504



81, 82.937, 86.479

Inverse Universe

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



36, 16.241, 283.624



45, 24.787, 284.879



35, 20.978, 303.127



22, 3.016, 280.713



16, 63.832, 300.964



36, 114.649, 302.514

Previews

White Background



This preview shows how the CIELCh color 44, 15.769, 96.350 looks on a white background.

Color Contrast Check

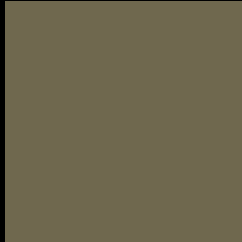
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 15.769, 96.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

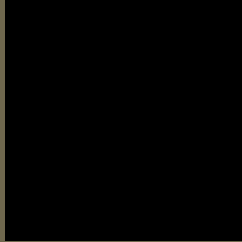
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 15.769, 96.350

Background



This preview shows how black text looks on a background with the CIELCh color 44, 15.769, 96.350.



This preview shows how white text looks on a background with the CIELCh color 44, 15.769, 96.350.

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


44, 15.769, 96.350

Protanopia

44, 15.769, 96.350

Deuteranopia

44, 16.208, 70.018



Tritanopia
44, 7.847, 342.881

Trichromacy



Original Color
44, 15.769, 96.350

Protanomaly
44, 15.769, 96.350

Deuteranomaly
44, 15.319, 77.921

Tritanomaly
44, 6.062, 43.109

Monochromacy



Original Color
44, 15.769, 96.350

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.521, 95.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 15.769, 96.350 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(111, 104, 78)` looks like.

```
.text, #text, p{  
    color:rgb(111, 104, 78)  
}
```

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(111, 104, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 104, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 15.769, 96.350 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(111, 104, 78) }
```

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

```
.border{ border-color:rgb(111, 104, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 104, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 104, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 104, 78);  
box-shadow:4px 4px 4px 4px rgb(111, 104,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 15.769, 96.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 104, 78) }
```

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

```
.background{ background-color: rgb(111,  
104, 78) }
```

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