

Converting Colors

CIELCh(44, 21.661, 83.001)

Have a look what the booklet for
CIELCh(44, 21.661, 83.001) contains.

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Color

CIELCh(44, 21.661, 83.001)

Conversions

Conversions Part 1

Format	Color
Hex	786544
RGB	120, 101, 68
RGB Percent	47%, 40%, 27%
CMY	0.5276, 0.6022, 0.7317
CMYK	0.00, 0.16, 0.43, 0.53
HSL	38°, 28%, 37%
HSV	38°, 43%, 47%
XYZ	13.5596, 13.8382, 7.4902
YIQ	102.9190, 21.9170, -6.2350

Conversions

Conversions Part 2

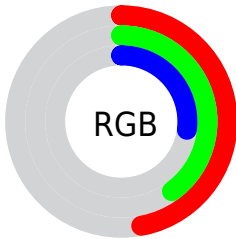
Format	Color
R_{YB}	98, 120, 68
Decimal	7890244
CIE Lab	44.00, 2.64, 21.50
CIE LCh	44, 21.661, 83.001
Yxy	13.8382, 0.3887, 0.3966
Android (android.graphics.Color)	4286080324 (0xFF786544)
YUV	102.9190, -17.2151, 14.9800
Hunter-Lab	37.1997, -0.0347, 14.1017

Details

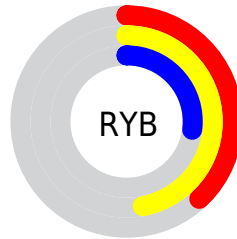
The CIELCh color **44, 21.661, 83.001** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 21.119, 275.597**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 21.435, 83.469**, and **24, 21.497, 82.054** is the 20% darker color. If you saturate the color by 10%, you get **43, 26.897, 81.646**, and if you desaturate by 10%, it is **45, 16.473, 84.326**.

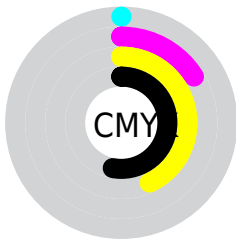
Distribution



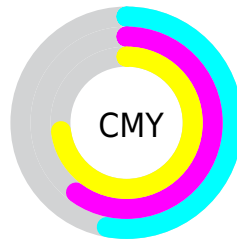
- Red (47%)
- Green (40%)
- Blue (27%)



- Red (38%)
- Yellow (47%)
- Blue (27%)



- Cyan (0%)
- Magenta (16%)
- Yellow (43%)
- Black (53%)





















- Cyan (53%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 21.661, 83.001 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, 21.661, 83.001 by changing the saturation by 10% instead.

 44, 21.661, 83.001	 44, 21.661, 83.001
 100, 21.661, 83.001	 34, 21.661, 83.001
 64, 21.661, 83.001	 24, 21.661, 83.001
 74, 21.661, 83.001	 14, 21.661, 83.001
 84, 21.661, 83.001	 4, 21.661, 83.001
 94, 21.661, 83.001	 0, 21.661, 83.001

 44, 21.661, 83.001	 44, 21.661, 83.001
 43, 26.897, 81.646	 45, 16.473, 84.326
 41, 32.087, 80.231	 47, 11.377, 85.609

■ 40, 37.056, 78.727

■ 49, 6.395, 86.848

■ 39, 41.500, 77.058

■ 50, 1.530, 87.969

■ 37, 44.991, 75.096

■ 52, 3.218, 269.314

■ 36, 47.371, 73.861

■ 53, 7.858, 270.404

■ 55, 12.396,
271.471

■ 57, 16.842,
272.495

■ 58, 21.202,
273.472

Harmonies

Complementary

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



44, 21.661, 83.001



37, 21.119, 275.597

Rectangle

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



44, 21.661, 83.001



44, 21.661, 133.001



44, 21.661, 263.001



44, 21.661, 313.001

Sweetspot

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



44, 21.661, 83.006



62, 7.760, 86.835



36, 25.075, 356.337



32, 5.485, 86.609



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 21.661, 83.006



54, 32.408, 81.639



49, 29.866, 112.262



25, 2.748, 87.340



38, 48.634, 73.736



74, 81.928, 71.951

Inverse Universe

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



37, 21.119, 275.597



44, 31.523, 278.020



32, 33.113, 299.681



24, 2.739, 269.649



22, 52.791, 293.361



45, 93.992, 295.449

Previews

White Background



This preview shows how the CIELCh color 44, 21.661, 83.001 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 44, 21.661, 83.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

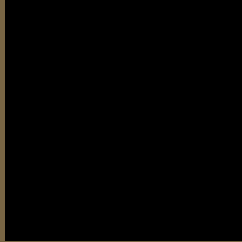
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 21.661, 83.001

Background



This preview shows how black text looks on a background with the CIELCh color 44, 21.661, 83.001.



This preview shows how white text looks on a background with the CIELCh color 44, 21.661, 83.001.

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, 21.661, 83.001

Protanopia

44, 21.123, 95.761

Deuteranopia

44, 22.086, 75.351



Tritanopia
44, 12.122, 0.987

Trichromacy



Original Color
44, 21.661, 83.001

Protanomaly
44, 21.077, 90.546

Deuteranomaly
44, 21.799, 79.155

Tritanomaly
44, 11.685, 44.484

Monochromacy



Original Color
44, 21.661, 83.001

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 7.793, 86.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 21.661, 83.001 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(120, 101, 68)` looks like.

```
.text, #text, p{  
    color:rgb(120, 101, 68)  
}
```

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(120, 101, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 101, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 21.661, 83.001 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(120, 101, 68) }
```

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

```
.border{ border-color:rgb(120, 101, 68) }
```

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

Here you see how a box with a 4 pixel rgb(120, 101, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 101, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 101, 68);  
box-shadow:4px 4px 4px 4px rgb(120, 101,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 21.661, 83.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 101, 68) }
```

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

```
.background{ background-color: rgb(120,  
101, 68) }
```

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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