

Converting Colors

CIELCh(44, 44.648, 77.509)

Have a look what the booklet for
CIELCh(44, 44.648, 77.509) contains.

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Color

CIELCh(44, 44.703, 77.556)

Conversions

Conversions Part 1

Format	Color
Hex	89611B
RGB	137, 97, 27
RGB Percent	54%, 38%, 11%
CMY	0.4645, 0.6211, 0.8957
CMYK	0.00, 0.29, 0.81, 0.46
HSL	38°, 67%, 32%
HSV	38°, 81%, 54%
XYZ	14.6779, 13.8382, 2.9099
YIQ	100.9800, 46.3100, -13.2900

Conversions

Conversions Part 2

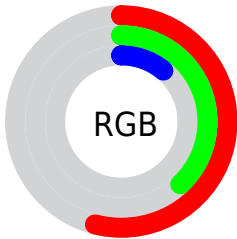
Format	Color
RYB	90, 137, 27
Decimal	9003291
CIELab	44.00, 9.63, 43.65
CIElCh	44, 44.703, 77.556
Yxy	13.8382, 0.4671, 0.4403
Android (android.graphics.Color)	4287193371 (0xFF89611B)
YUV	100.9800, -36.4721, 31.5895
Hunter-Lab	37.1997, 5.3313, 21.4020

Details

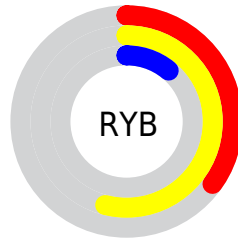
The CIELCh color **44, 44.703, 77.556** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **29, 45.039, 286.912**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 44.417, 77.075**, and **24, 35.465, 73.129** is the 20% darker color. If you saturate the color by 10%, you get **43, 48.743, 75.627**, and if you desaturate by 10%, it is **45, 39.653, 79.210**.

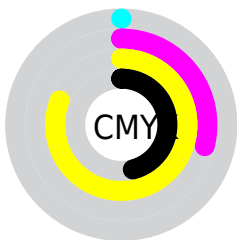
Distribution



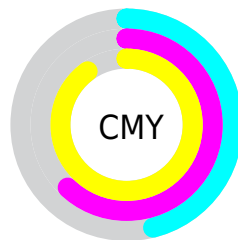
- Red (54%)
- Green (38%)
- Blue (11%)



- Red (35%)
- Yellow (54%)
- Blue (11%)



- Cyan (0%)
- Magenta (29%)
- Yellow (81%)
- Black (46%)



- Cyan (46%)
- Magenta (62%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 44.703, 77.556 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, 44.703, 77.556 by changing the saturation by 10% instead.

■ 44, 44.703, 77.556

■ 44, 44.703, 77.556

■ 100, 44.703,
77.556

■ 34, 44.703, 77.556

■ 64, 44.703, 77.556

■ 24, 44.703, 77.556

■ 74, 44.703, 77.556

■ 14, 44.703, 77.556

■ 84, 44.703, 77.556

■ 4, 44.703, 77.556

■ 94, 44.703, 77.556

■ 0, 44.703, 77.556

■ 44, 44.703, 77.556

■ 44, 44.703, 77.556

■ 43, 48.743, 75.627

■ 45, 39.653, 79.210

■ 41, 51.860, 73.660

■ 47, 34.084, 80.711

■ 48, 28.309, 82.129

■ 50, 22.506, 83.497

■ 52, 16.769, 84.825

■ 53, 11.141, 86.113

■ 55, 5.641, 87.352

■ 57, 0.272, 87.872

■ 59, 4.971, 269.812

Harmonies

Complementary

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



44, 44.703, 77.556



29, 45.039, 286.912

Rectangle

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



44, 44.703, 77.556



44, 44.703, 127.556



44, 44.703, 257.556



44, 44.703, 307.556

Sweetspot

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



44, 44.702, 77.559



68, 16.291, 85.601



31, 47.958, 5.272



34, 11.190, 85.201



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



44, 44.702, 77.559



54, 62.169, 73.614



54, 55.826, 110.470



28, 3.039, 87.515



40, 50.765, 73.752



1, 1.400, 88.660

Inverse Universe

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



29, 45.039, 286.912



33, 68.768, 293.713



20, 70.946, 305.082



27, 3.030, 269.869



23, 55.667, 293.749



0, 1.401, 268.668

Previews

White Background



This preview shows how the CIELCh color 44, 44.703, 77.556 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, 44.703, 77.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

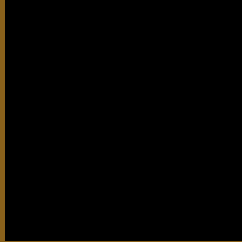
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 44.703, 77.556

Background



This preview shows how black text looks on a background with the CIELCh color 44, 44.703, 77.556.



This preview shows how white text looks on a background with the CIELCh color 44, 44.703, 77.556.

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, 44.703, 77.556

Protanopia

44, 42.332, 96.038

Deuteranopia

44, 44.370, 82.828



Tritanopia
44, 22.477, 12.139

Trichromacy



Original Color
44, 44.703, 77.556

Protanomaly
44, 42.620, 89.223

Deuteranomaly
44, 44.258, 80.746

Tritanomaly
44, 25.997, 50.001

Monochromacy



Original Color
44, 44.703, 77.556

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 16.546, 83.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 44.703, 77.556 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(137, 97, 27)` looks like.

```
.text, #text, p{  
    color:rgb(137, 97, 27)  
}
```

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(137, 97, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 97, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 44.703, 77.556 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(137, 97, 27) }
```

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

```
.border{ border-color:rgb(137, 97, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 97, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 97, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 97, 27);  
box-shadow:4px 4px 4px 4px rgb(137, 97,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 44.703, 77.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 97, 27) }
```

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

```
.background{ background-color: rgb(137, 97,  
27) }
```

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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