

Converting Colors

CIELCh(44, 9.619, 36.885)

Have a look what the booklet for
CIELCh(44, 9.619, 36.885) contains.

CIELCh(44, 9.449, 35.022)	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, 9.449, 35.022)

Conversions

Conversions Part 1

Format	Color
Hex	78635F
RGB	120, 99, 95
RGB Percent	47%, 39%, 37%
CMY	0.5280, 0.6104, 0.6261
CMYK	0.00, 0.17, 0.21, 0.53
HSL	10°, 12%, 42%
HSV	10°, 21%, 47%
XYZ	14.3691, 13.8382, 12.8200
YIQ	104.8230, 13.8000, 3.2080

Conversions

Conversions Part 2

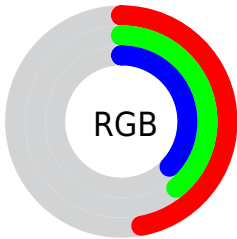
Format	Color
R_{YB}	120, 100, 95
Decimal	7889759
CIE _{Lab}	44.00, 7.74, 5.42
CIE _{LCh}	44, 9.449, 35.022
Yxy	13.8382, 0.3502, 0.3373
Android (android.graphics.Color)	4286079839 (0xFF78635F)
YUV	104.8230, -4.8427, 13.3102
Hunter-Lab	37.1997, 3.8494, 5.6069

Details

The CIELCh color $[44, 9.449, 35.022]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[47, 8.265, 215.321]$, and the grayscale version is $[44, 0.006, 296.813]$.

A 20% lighter version of the original color is $[64, 9.619, 36.885]$, and $[24, 9.569, 32.978]$ is the 20% darker color. If you saturate the color by 10%, you get $[41, 14.566, 35.295]$, and if you desaturate by 10%, it is $[47, 4.711, 34.881]$.

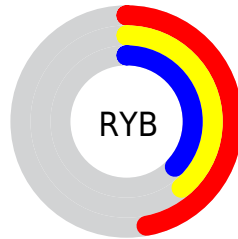
Distribution



Red (47%)

Green (39%)

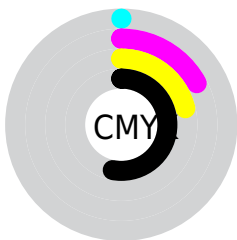
Blue (37%)



Red (47%)

Yellow (39%)

Blue (37%)

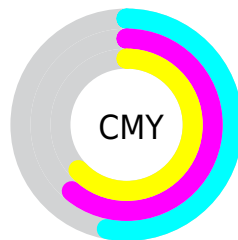


Cyan (0%)

Magenta (17%)

Yellow (21%)

Black (53%)



Cyan (53%)

Magenta (61%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 9.449, 35.022 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, 9.449, 35.022 by changing the saturation by 10% instead.

 44, 9.449, 35.022	 44, 9.449, 35.022
 100, 9.449, 35.022	 34, 9.449, 35.022
 64, 9.449, 35.022	 24, 9.449, 35.022
 74, 9.449, 35.022	 14, 9.449, 35.022
 84, 9.449, 35.022	 4, 9.449, 35.022
 94, 9.449, 35.022	 0, 9.449, 35.022

 44, 9.449, 35.022	 44, 9.449, 35.022
 41, 14.566, 35.295	 47, 4.711, 34.881
 38, 20.078, 35.728	 50, 0.329, 33.805
 35, 25.978, 36.377	 54, 3.729, 215.136

■ 33, 32.224, 37.280

■ 57, 7.497, 215.223

■ 30, 38.719, 38.449

■ 60, 11.008,
215.388

■ 28, 45.262, 39.825

■ 63, 14.290,
215.593

■ 26, 51.361, 41.083

■ 25, 55.829, 41.737

■ 67, 17.372,
215.824

■ 70, 20.277,
216.071

■ 73, 23.028,
216.328

Harmonies

Complementary

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



44, 9.449, 35.022



47, 8.265, 215.321

Rectangle

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



44, 9.449, 35.022



44, 9.449, 85.022



44, 9.449, 215.022



44, 9.449, 265.022

Sweetspot

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



44, 9.448, 35.032



62, 3.175, 34.804



44, 16.264, 330.030



32, 2.126, 34.815



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, 9.448, 35.032



54, 14.293, 35.140



47, 10.293, 87.230



24, 2.478, 34.858



26, 57.676, 41.922



54, 100.573, 42.019

Inverse Universe

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



47, 8.265, 215.321



60, 12.078, 215.467



44, 10.208, 272.623



25, 2.345, 215.137



41, 25.679, 225.715



79, 43.208, 227.522

Previews

White Background



This preview shows how the CIELCh color 44, 9.449, 35.022 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, 9.449, 35.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

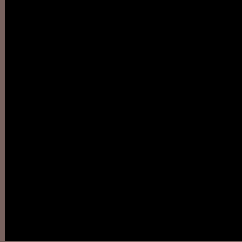
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 9.449, 35.022

Background



This preview shows how black text looks on a background with the CIELCh color 44, 9.449, 35.022.



This preview shows how white text looks on a background with the CIELCh color 44, 9.449, 35.022.

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, 9.449, 35.022

Protanopia

44, 3.948, 84.270

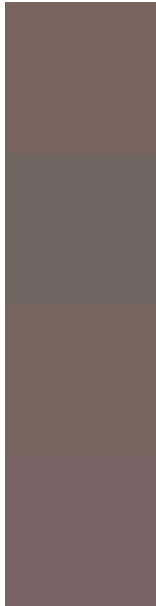
Deuteranopia

44, 8.372, 41.043



Tritanopia
44, 10.905, 358.426

Trichromacy



Original Color
44, 9.449, 35.022

Protanomaly
44, 5.209, 54.646

Deuteranomaly
44, 8.789, 40.057

Tritanomaly
44, 9.945, 10.383

Monochromacy



Original Color
44, 9.449, 35.022

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.564, 39.216

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 44, 9.449, 35.022 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, 99, 95)` looks like.

```
.text, #text, p{  
    color:rgb(120, 99, 95)  
}
```

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, 99, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 99, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 9.449, 35.022 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, 99, 95) }
```

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

```
.border{ border-color:rgb(120, 99, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 99, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 99, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 99, 95);  
box-shadow:4px 4px 4px 4px rgb(120, 99,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 9.449, 35.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 99, 95) }
```

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

```
.background{ background-color: rgb(120, 99,  
95) }
```

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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