

Converting Colors

CIELCh(40, 21.374, 35.646)

Have a look what the booklet for
CIELCh(40, 21.374, 35.646) contains.

CIELCh(40, 21.189, 35.192)	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(40, 21.189, 35.192)

Conversions

Conversions Part 1	
Format	Color
Hex	7F534B
RGB	127, 83, 75
RGB Percent	50%, 33%, 29%
CMY	0.5012, 0.6738, 0.7052
CMYK	0.00, 0.35, 0.41, 0.50
HSL	9°, 26%, 40%
HSV	9°, 41%, 50%
XYZ	13.1642, 11.2510, 8.1653
YIQ	95.2440, 28.7920, 6.8400

Conversions

Conversions Part 2

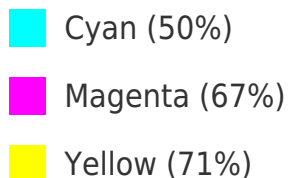
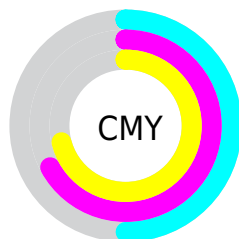
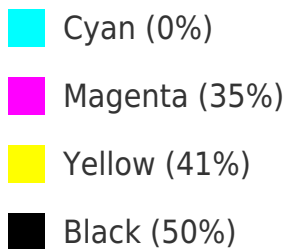
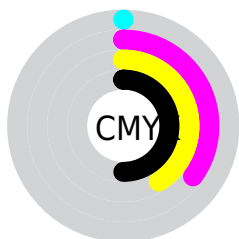
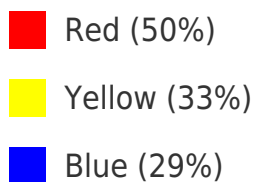
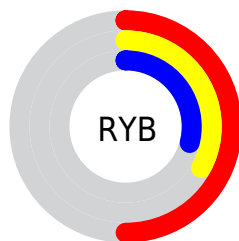
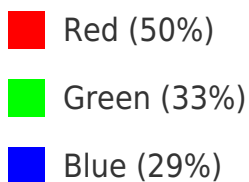
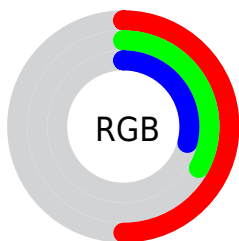
Format	Color
RYB	127, 84, 75
Decimal	8344395
CIELab	40.00, 17.32, 12.21
CIELCh	40, 21.189, 35.192
Yxy	11.2510, 0.4041, 0.3453
Android (android.graphics.Color)	4286534475 (0xFF7F534B)
YUV	95.2440, -9.9803, 27.8500
Hunter-Lab	33.5425, 11.3555, 9.0466

Details

The CIELCh color **40, 21.189, 35.192** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **47, 15.851, 215.401**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 20.986, 35.152**, and **20, 21.485, 34.734** is the 20% darker color. If you saturate the color by 10%, you get **37, 27.399, 35.901**, and if you desaturate by 10%, it is **43, 15.383, 34.718**.

Distribution




Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 21.189, 35.192 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 40, 21.189, 35.192 by changing the saturation by 10% instead.

 40, 21.189, 35.192

 40, 21.189, 35.192

 100, 21.189,
35.192

 30, 21.189, 35.192

 60, 21.189, 35.192

 20, 21.189, 35.192

 70, 21.189, 35.192

 10, 21.189, 35.192

 80, 21.189, 35.192

 0, 21.189, 35.192

 90, 21.189, 35.192

 40, 21.189, 35.192

 40, 21.189, 35.192

 37, 27.399, 35.901

 43, 15.383, 34.718

 34, 33.968, 36.871

 46, 9.994, 34.416

 32, 40.787, 38.119

 50, 5.007, 34.233

 30, 47.633, 39.580


 53, 0.397, 33.282


 28, 54.018, 40.972


 56, 3.871, 214.433

 27, 58.686, 41.805

 60, 7.831, 214.495

 63, 11.518,
214.640

 67, 14.964,
214.825

 70, 18.197,
215.037

Harmonies

Complementary

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



40, 21.189, 35.192



47, 15.851, 215.401

Rectangle

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



40, 21.189, 35.192



40, 21.189, 85.192



40, 21.189, 215.192



40, 21.189, 265.192

Sweetspot

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



40, 21.188, 35.197



63, 6.883, 34.255



39, 33.238, 331.259



32, 4.620, 34.271



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 21.188, 35.197



49, 32.660, 35.840



47, 21.642, 84.610



25, 2.576, 34.203



27, 58.807, 41.816



0, 0.000, 0.000

Inverse Universe

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



47, 15.851, 215.401



59, 22.564, 216.062



39, 21.300, 276.391



26, 2.436, 214.432



42, 26.077, 224.487



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 40, 21.189, 35.192 looks on a white background.

Color Contrast Check

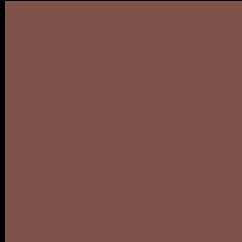
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 21.189, 35.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

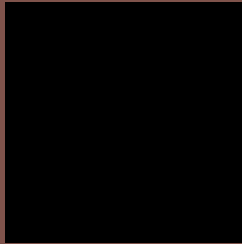
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.189, 35.192

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.189, 35.192.

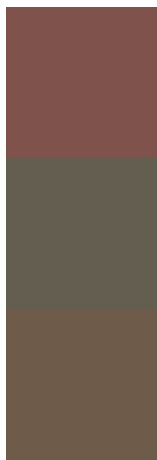


This preview shows how white text looks on a background with the CIELCh color 40, 21.189, 35.192.

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

40, 21.189, 35.192

Protanopia

40, 8.320, 90.271

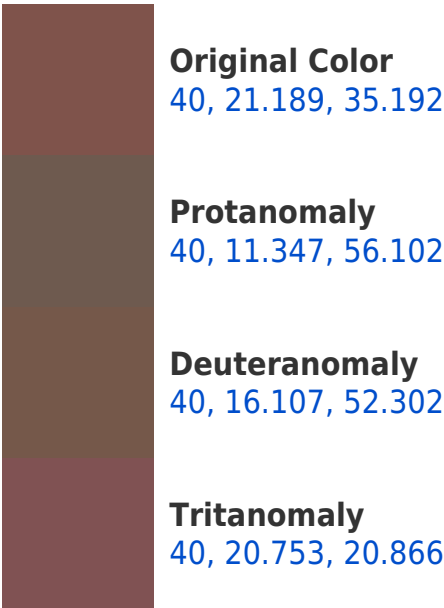
Deuteranopia

40, 13.955, 67.215

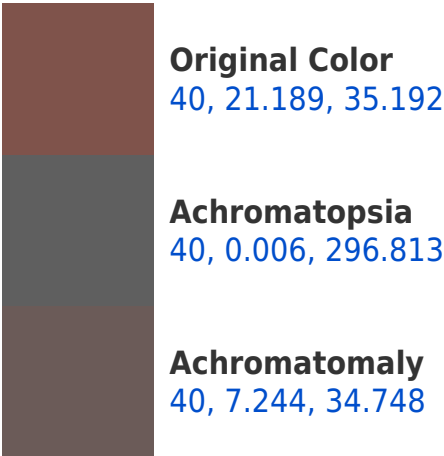


Tritanopia
40, 21.084, 12.907

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.189, 35.192 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(127, 83, 75)` looks like.

```
.text, #text, p{  
    color:rgb(127, 83, 75)  
}
```

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(127, 83, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 83, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.189, 35.192 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(127, 83, 75) }
```

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

```
.border{ border-color:rgb(127, 83, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 83, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 83, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 83, 75);  
box-shadow:4px 4px 4px 4px rgb(127, 83,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.189, 35.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 83, 75) }
```

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

```
.background{ background-color: rgb(127, 83,  
75) }
```

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