

Converting Colors

CIELCh(40, 21.383, 80.384)

Have a look what the booklet for
CIELCh(40, 21.383, 80.384) contains.

CIELCh(40, 21.209, 80.336)	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, 21.209, 80.336)

Conversions

Conversions Part 1

Format	Color
Hex	6F5B3C
RGB	111, 91, 60
RGB Percent	44%, 36%, 24%
CMY	0.5637, 0.6421, 0.7638
CMYK	0.00, 0.18, 0.46, 0.56
HSL	36°, 30%, 34%
HSV	36°, 46%, 44%
XYZ	11.1739, 11.2510, 5.8910
YIQ	93.4460, 21.8710, -5.4010

Conversions

Conversions Part 2

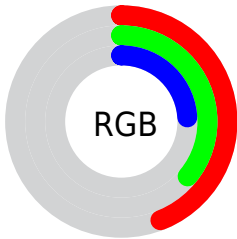
Format	Color
RYB	93, 111, 60
Decimal	7297852
CIELab	40.00, 3.56, 20.91
CIELCh	40, 21.209, 80.336
Yxy	11.2510, 0.3946, 0.3973
Android (android.graphics.Color)	4285487932 (0xFF6F5B3C)
YUV	93.4460, -16.4889, 15.3949
Hunter-Lab	33.5425, 0.7640, 13.0668

Details

The CIELCh color **40, 21.209, 80.336** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **34, 20.301, 273.853**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 21.141, 80.023**, and **20, 21.134, 78.731** is the 20% darker color. If you saturate the color by 10%, you get **39, 26.096, 78.983**, and if you desaturate by 10%, it is **41, 16.380, 81.659**.

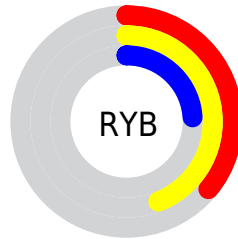
Distribution



Red (44%)

Green (36%)

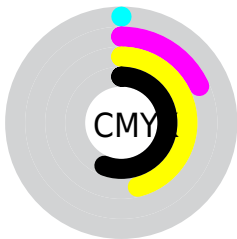
Blue (24%)



Red (36%)

Yellow (44%)

Blue (24%)

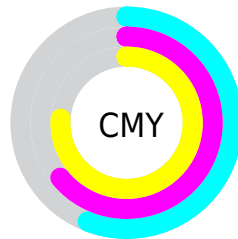


Cyan (0%)

Magenta (18%)

Yellow (46%)

Black (56%)



Cyan (56%)

Magenta (64%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 21.209, 80.336 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, 21.209, 80.336 by changing the saturation by 10% instead.

■ 40, 21.209, 80.336

■ 40, 21.209, 80.336

■ 100, 21.209,
80.336

■ 30, 21.209, 80.336

■ 60, 21.209, 80.336

■ 20, 21.209, 80.336

■ 70, 21.209, 80.336

■ 10, 21.209, 80.336

■ 80, 21.209, 80.336

■ 0, 21.209, 80.336

■ 90, 21.209, 80.336

■ 40, 21.209, 80.336

■ 40, 21.209, 80.336

■ 39, 26.096, 78.983

■ 41, 16.380, 81.659

■ 37, 30.948, 77.565

■ 43, 11.654, 82.942

■ 36, 35.591, 76.044

■ 44, 7.047, 84.186

■ 35, 39.724, 74.325

■ 46, 2.565, 85.358

■ 33, 43.170, 72.387

■ 48, 1.797, 266.712

■ 33, 44.804, 71.745

■ 49, 6.046, 267.775

■ 51, 10.191,
268.853

■ 52, 14.240,
269.891

■ 54, 18.203,
270.884

Harmonies

Complementary

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



40, 21.209, 80.336



34, 20.301, 273.853

Rectangle

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



40, 21.209, 80.336



40, 21.209, 130.336



40, 21.209, 260.336



40, 21.209, 310.336

Sweetspot

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



40, 21.209, 80.341



58, 7.728, 84.366



32, 25.278, 354.427



30, 5.390, 84.158



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 21.209, 80.341



50, 32.004, 78.896



45, 29.540, 110.606



23, 2.491, 85.005



35, 47.254, 71.461



71, 80.909, 69.455

Inverse Universe

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



34, 20.301, 273.853



41, 30.433, 276.529



28, 33.045, 299.007



22, 2.477, 267.300



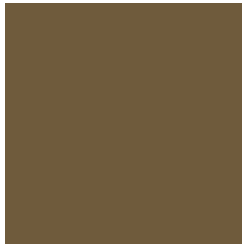
22, 48.702, 291.368



46, 88.279, 293.698

Previews

White Background



This preview shows how the CIELCh color 40, 21.209, 80.336 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 40, 21.209, 80.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

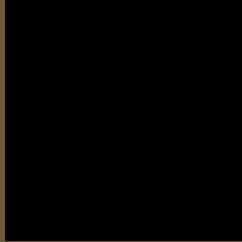
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.209, 80.336

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.209, 80.336.



This preview shows how white text looks on a background with the CIELCh color 40, 21.209, 80.336.

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, 21.209, 80.336

Protanopia

40, 20.315, 94.959

Deuteranopia

40, 21.749, 75.263



Tritanopia
40, 12.346, 1.190

Trichromacy



Original Color
40, 21.209, 80.336

Protanomaly
40, 20.307, 89.428

Deuteranomaly
40, 21.476, 76.330

Tritanomaly
40, 11.677, 41.871

Monochromacy



Original Color
40, 21.209, 80.336

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 7.366, 84.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.209, 80.336 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, 91, 60)` looks like.

```
.text, #text, p{  
    color:rgb(111, 91, 60)  
}
```

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, 91, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 91, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.209, 80.336 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, 91, 60) }
```

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

```
.border{ border-color:rgb(111, 91, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 91, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 91, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 91, 60);  
box-shadow:4px 4px 4px 4px rgb(111, 91,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.209, 80.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 91, 60) }
```

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

```
.background{ background-color: rgb(111, 91,  
60) }
```

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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