

Converting Colors

CIELCh(40, 35.245, 84.312)

Have a look what the booklet for
CIELCh(40, 35.245, 84.312) contains.

CIELCh(40, 35.324, 84.110)	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, 35.324, 84.110)

Conversions

Conversions Part 1

Format	Color
Hex	745B23
RGB	116, 91, 35
RGB Percent	45%, 36%, 14%
CMY	0.5462, 0.6441, 0.8637
CMYK	0.00, 0.22, 0.70, 0.55
HSL	41°, 54%, 30%
HSV	41°, 70%, 45%
XYZ	11.1828, 11.2510, 3.1527
YIQ	92.0910, 32.8760, -12.1160

Conversions

Conversions Part 2

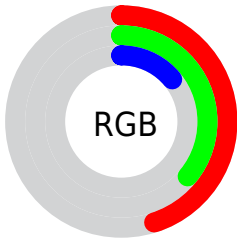
Format	Color
R_{YB}	71, 116, 35
Decimal	7625507
CIE _{Lab}	40.00, 3.62, 35.14
CIE _{LCh}	40, 35.324, 84.110
Yxy	11.2510, 0.4371, 0.4397
Android (android.graphics.Color)	4285815587 (0xFF745B23)
YUV	92.0910, -28.1459, 20.9682
Hunter-Lab	33.5425, 0.8110, 17.9071

Details

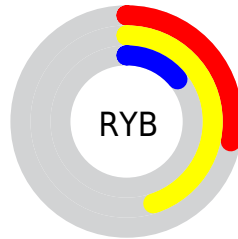
The CIELCh color **40, 35.324, 84.110** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **26, 36.703, 286.850**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 35.193, 83.761**, and **20, 29.253, 82.080** is the 20% darker color. If you saturate the color by 10%, you get **39, 39.700, 82.599**, and if you desaturate by 10%, it is **41, 30.460, 85.524**.

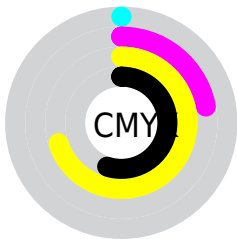
Distribution



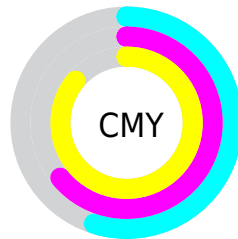
- Red (45%)
- Green (36%)
- Blue (14%)



- Red (28%)
- Yellow (45%)
- Blue (14%)



- Cyan (0%)
- Magenta (22%)
- Yellow (70%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 35.324, 84.110 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, 35.324, 84.110 by changing the saturation by 10% instead.

■ 40, 35.324, 84.110

■ 40, 35.324, 84.110

■ 100, 35.324,
84.110

■ 30, 35.324, 84.110

■ 60, 35.324, 84.110

■ 20, 35.324, 84.110

■ 70, 35.324, 84.110

■ 10, 35.324, 84.110

■ 80, 35.324, 84.110

■ 0, 35.324, 84.110

■ 90, 35.324, 84.110

■ 40, 35.324, 84.110

■ 40, 35.324, 84.110

■ 39, 39.700, 82.599

■ 41, 30.460, 85.524

■ 38, 43.201, 80.897

■ 42, 25.368, 86.874

37, 46.243, 79.168

44, 20.201, 88.183

37, 46.254, 79.164

45, 15.044, 89.455

46, 9.942, 90.691

47, 4.918, 91.879

49, 0.021, 280.409

50, 4.872, 274.221

51, 9.638, 275.279

Harmonies

Complementary

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



40, 35.324, 84.110



26, 36.703, 286.850

Rectangle

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



40, 35.324, 84.110



40, 35.324, 134.110



40, 35.324, 264.110



40, 35.324, 314.110

Sweetspot

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



40, 35.324, 84.113



59, 12.981, 90.500



27, 37.748, 5.549



30, 8.871, 90.236



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 35.324, 84.113



50, 50.774, 81.577



46, 44.654, 113.160



24, 2.805, 91.984



39, 48.137, 78.999



76, 81.418, 77.451

Inverse Universe

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



26, 36.703, 286.850



29, 55.737, 292.036



20, 53.758, 304.473



23, 2.812, 274.201



19, 56.905, 296.653



42, 102.056, 298.578

Previews

White Background



This preview shows how the CIELCh color 40, 35.324, 84.110 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, 35.324, 84.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

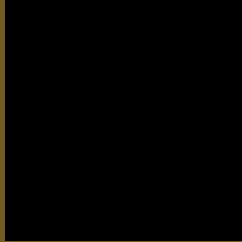
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 35.324, 84.110

Background



This preview shows how black text looks on a background with the CIELCh color 40, 35.324, 84.110.



This preview shows how white text looks on a background with the CIELCh color 40, 35.324, 84.110.

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, 35.324, 84.110

Protanopia

40, 34.519, 96.569

Deuteranopia

40, 35.529, 81.620



Tritanopia
40, 15.757, 6.285

Trichromacy



Original Color
40, 35.324, 84.110

Protanomaly
40, 34.227, 91.429

Deuteranomaly
40, 35.305, 82.350

Tritanomaly
40, 17.728, 53.722

Monochromacy



Original Color
40, 35.324, 84.110

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 13.424, 90.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 35.324, 84.110 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(116, 91, 35)` looks like.

```
.text, #text, p{  
    color:rgb(116, 91, 35)  
}
```

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(116, 91, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 91, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 35.324, 84.110 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(116, 91, 35) }
```

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

```
.border{ border-color:rgb(116, 91, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 91, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 91, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 91, 35);  
box-shadow:4px 4px 4px 4px rgb(116, 91,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 35.324, 84.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 91, 35) }
```

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

```
.background{ background-color: rgb(116, 91,  
35) }
```

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