

Converting Colors

CIELCh(40, 17.747, 88.185)

Have a look what the booklet for
CIELCh(40, 17.747, 88.185) contains.

CIELCh(40, 18.040, 87.710)	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, 18.040, 87.710)

Conversions

Conversions Part 1

Format	Color
Hex	6A5D41
RGB	106, 93, 65
RGB Percent	42%, 36%, 25%
CMY	0.5847, 0.6357, 0.7454
CMYK	0.00, 0.12, 0.39, 0.58
HSL	41°, 24%, 33%
HSV	41°, 39%, 42%
XYZ	10.7898, 11.2510, 6.5904
YIQ	93.6950, 16.7360, -5.9520

Conversions

Conversions Part 2

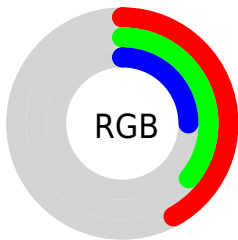
Format	Color
R_{YB}	84, 106, 65
Decimal	6970689
CIE _{Lab}	40.00, 0.72, 18.03
CIE _{LCh}	40, 18.040, 87.710
Yxy	11.2510, 0.3769, 0.3930
Android (android.graphics.Color)	4285160769 (0xFF6A5D41)
YUV	93.6950, -14.1466, 10.7915
Hunter-Lab	33.5425, -1.2802, 11.8304

Details

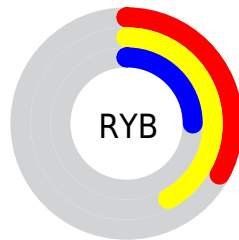
The CIELCh color **40, 18.040, 87.710** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 18.047, 278.300**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 18.041, 87.546**, and **20, 17.818, 86.287** is the 20% darker color. If you saturate the color by 10%, you get **39, 22.828, 86.419**, and if you desaturate by 10%, it is **41, 13.278, 88.976**.

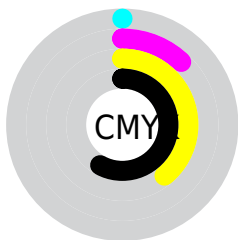
Distribution



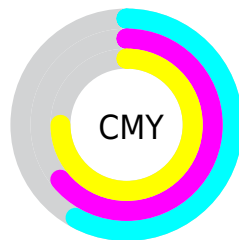
- Red (42%)
- Green (36%)
- Blue (25%)



- Red (33%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (12%)
- Yellow (39%)
- Black (58%)



- Cyan (58%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 18.040, 87.710 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, 18.040, 87.710 by changing the saturation by 10% instead.

■ 40, 18.040, 87.710

■ 40, 18.040, 87.710

■ 100, 18.040,
87.710

■ 30, 18.040, 87.710

■ 60, 18.040, 87.710

■ 20, 18.040, 87.710

■ 70, 18.040, 87.710

■ 10, 18.040, 87.710

■ 80, 18.040, 87.710

■ 0, 18.040, 87.710

■ 90, 18.040, 87.710

■ 40, 18.040, 87.710

■ 40, 18.040, 87.710

■ 39, 22.828, 86.419

■ 41, 13.278, 88.976

■ 38, 27.574, 85.082

■ 42, 8.577, 90.199

37, 32.152, 83.689

44, 3.952, 91.370

36, 36.351, 82.201

45, 0.589, 272.804

35, 39.841, 80.542

46, 5.047, 273.694

34, 42.929, 78.858

48, 9.425, 274.744

33, 43.396, 78.674

49, 13.728,
275.755

50, 17.960,
276.720

52, 22.128,
277.640

Harmonies

Complementary

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



40, 18.040, 87.710



33, 18.047, 278.300

Rectangle

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



40, 18.040, 87.710



40, 18.040, 137.710



40, 18.040, 267.710



40, 18.040, 317.710

Sweetspot

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



40, 18.041, 87.715



55, 6.784, 90.954



33, 19.903, 357.882



28, 4.470, 90.856



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 18.041, 87.715



50, 26.729, 86.606



43, 24.270, 114.069



22, 2.576, 91.340



37, 46.641, 78.349



74, 80.086, 76.661

Inverse Universe

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



33, 18.047, 278.300



40, 26.816, 280.117



30, 26.467, 300.101



21, 2.580, 273.530



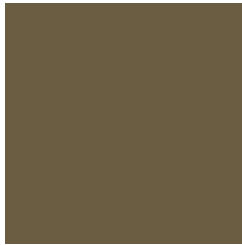
18, 54.213, 296.017



41, 99.076, 298.107

Previews

White Background



This preview shows how the CIELCh color 40, 18.040, 87.710 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, 18.040, 87.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

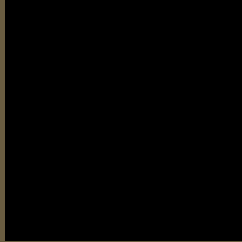
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 18.040, 87.710

Background



This preview shows how black text looks on a background with the CIELCh color 40, 18.040, 87.710.



This preview shows how white text looks on a background with the CIELCh color 40, 18.040, 87.710.

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, 18.040, 87.710

Protanopia

40, 17.894, 95.362

Deuteranopia

40, 18.881, 72.495



Tritanopia
40, 9.509, 354.265

Trichromacy



Original Color
40, 18.040, 87.710

Protanomaly
40, 18.004, 93.898

Deuteranomaly
40, 18.274, 78.241

Tritanomaly
40, 8.559, 41.026

Monochromacy



Original Color
40, 18.040, 87.710

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 6.897, 94.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 18.040, 87.710 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(106, 93, 65)` looks like.

```
.text, #text, p{  
    color:rgb(106, 93, 65)  
}
```

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(106, 93, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 93, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 18.040, 87.710 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(106, 93, 65) }
```

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

```
.border{ border-color:rgb(106, 93, 65) }
```

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

Here you see how a box with a 4 pixel rgb(106, 93, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 93, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 93, 65);  
box-shadow:4px 4px 4px 4px rgb(106, 93,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 18.040, 87.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 93, 65) }
```

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

```
.background{ background-color: rgb(106, 93,  
65) }
```

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