

Converting Colors

CIELCh(40, 33.448, 131.645)

Have a look what the booklet for
CIELCh(40, 33.448, 131.645)
contains.

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Color

CIELCh(40, 33.447, 131.795)

Conversions

Conversions Part 1

Format	Color
Hex	466734
RGB	70, 103, 52
RGB Percent	27%, 40%, 20%
CMY	0.7255, 0.5961, 0.7961
CMYK	0.32, 0.00, 0.50, 0.60
HSL	99°, 33%, 30%
HSV	99°, 50%, 40%
XYZ	7.9962, 11.2510, 4.9992
YIQ	87.3190, -3.2970, -22.8570

Conversions

Conversions Part 2

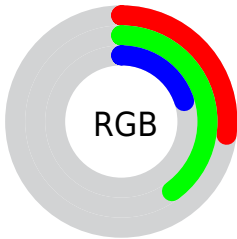
Format	Color
RYB	52, 103, 85
Decimal	4613940
CIELab	40.00, -22.29, 24.94
CIElCh	40, 33.447, 131.795
Yxy	11.2510, 0.3298, 0.4640
Android (android.graphics.Color)	4282804020 (0xFF466734)
YUV	87.3190, -17.4123, -15.1888
Hunter-Lab	33.5425, -16.1466, 14.6432

Details

The CIELCh color **40, 33.447, 131.795** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **28, 34.904, 316.032**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 33.069, 131.868**, and **20, 33.822, 131.666** is the 20% darker color. If you saturate the color by 10%, you get **39, 39.683, 131.358**, and if you desaturate by 10%, it is **41, 26.894, 132.279**.

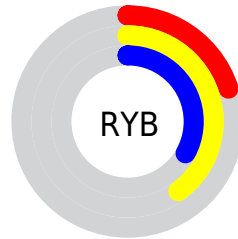
Distribution



Red (27%)

Green (40%)

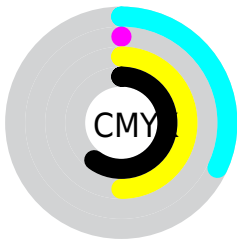
Blue (20%)



Red (20%)

Yellow (40%)

Blue (33%)

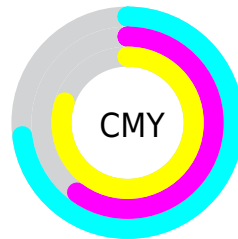


Cyan (32%)

Magenta (0%)

Yellow (50%)

Black (60%)



Cyan (73%)


Magenta (60%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.447, 131.795 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, 33.447, 131.795 by changing the saturation by 10% instead.


 40, 33.447,
131.795


 40, 33.447,
131.795


 100, 33.447,
131.795


 30, 33.447,
131.795

 60, 33.447,
131.795


 20, 33.447,
131.795

 70, 33.447,
131.795


 10, 33.447,
131.795

 80, 33.447,
131.795

 0, 33.447, 131.795

 90, 33.447,
131.795

 40, 33.447,

 40, 33.447,

131.795

■ 39, 39.683,
131.358

■ 39, 45.417,
131.029

■ 39, 50.419,
130.900

■ 38, 54.427,
131.079

■ 38, 57.828,
131.288

■ 38, 57.996,
131.286

131.795

■ 41, 26.894,
132.279

■ 41, 20.155,
132.766

■ 42, 13.327,
133.234

■ 43, 6.480, 133.675

■ 44, 0.336, 313.750

■ 45, 7.082, 314.393

■ 46, 13.733,
314.714

■ 47, 20.272,
314.994

■ 48, 26.685,

Harmonies

Complementary

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



40, 33.447, 131.795



28, 34.904, 316.032

Rectangle

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



40, 33.447, 131.795



40, 33.447, 181.795



40, 33.447, 311.795



40, 33.447, 1.795

Sweetspot

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



40, 33.448, 131.796



55, 12.794, 133.417



37, 21.915, 82.169



28, 8.800, 133.348



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, 33.448, 131.796



51, 49.071, 131.311



39, 33.962, 144.394



21, 3.792, 133.701



42, 62.739, 131.471



85, 109.885, 132.323

Inverse Universe

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



28, 34.904, 316.032



33, 51.650, 316.398



30, 33.853, 331.121



19, 3.825, 314.364



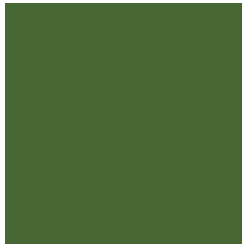
19, 66.908, 316.182



44, 116.507, 315.572

Previews

White Background



This preview shows how the CIELCh color 40, 33.447, 131.795 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, 33.447, 131.795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

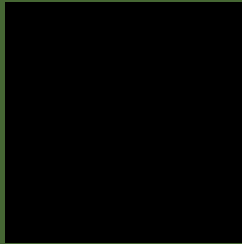
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 33.447, 131.795

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.447, 131.795.



This preview shows how white text looks on a background with the CIELCh color 40, 33.447, 131.795.

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](#).

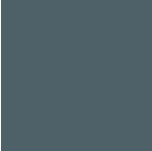
Dichromacy



Original Color
40, 33.447, 131.795

Protanopia
40, 27.199, 95.661

Deuteranopia
40, 24.377, 78.205



Tritanopia
40, 8.628, 233.292

Trichromacy



Original Color
40, 33.447, 131.795

Protanomaly
40, 27.822, 110.769

Deuteranomaly
40, 24.468, 102.980

Tritanomaly
40, 12.780, 159.523

Monochromacy



Original Color
40, 33.447, 131.795

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 12.770, 132.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.447, 131.795 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(70, 103, 52)` looks like.

```
.text, #text, p{  
    color:rgb(70, 103, 52)  
}
```

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(70, 103, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 103, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.447, 131.795 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(70, 103, 52) }
```

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

```
.border{ border-color:rgb(70, 103, 52) }
```

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

Here you see how a box with a 4 pixel rgb(70, 103, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 103, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 103, 52);  
box-shadow:4px 4px 4px 4px rgb(70, 103,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.447, 131.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 103, 52) }
```

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

```
.background{ background-color: rgb(70, 103,  
52) }
```

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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