

Converting Colors

CIELCh(40, 18.020, 133.516)

Have a look what the booklet for
CIELCh(40, 18.020, 133.516)
contains.

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Color

CIELCh(40, 17.398, 133.144)

Conversions

Conversions Part 1

Format	Color
Hex	526349
RGB	82, 99, 73
RGB Percent	32%, 39%, 29%
CMY	0.6776, 0.6109, 0.7129
CMYK	0.17, 0.00, 0.26, 0.61
HSL	99°, 15%, 34%
HSV	99°, 26%, 39%
XYZ	9.1891, 11.2510, 8.0259
YIQ	90.9530, -1.7860, -11.6900

Conversions

Conversions Part 2

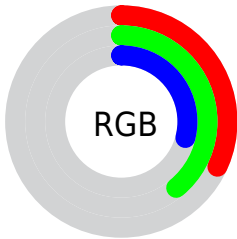
Format	Color
R_{YB}	73, 99, 90
Decimal	5399369
CIE _{Lab}	40.00, -11.90, 12.69
CIE _{LCh}	40, 17.398, 133.144
Yxy	11.2510, 0.3228, 0.3952
Android (android.graphics.Color)	4283589449 (0xFF526349)
YUV	90.9530, -8.8508, -7.8518
Hunter-Lab	33.5425, -9.7984, 9.2930

Details

The CIELCh color $40, 17.398, 133.144$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 17.782, 315.299$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 17.331, 133.103$, and $20, 17.066, 132.436$ is the 20% darker color. If you saturate the color by 10%, you get $39, 23.986, 132.662$, and if you desaturate by 10%, it is $41, 10.752, 133.604$.

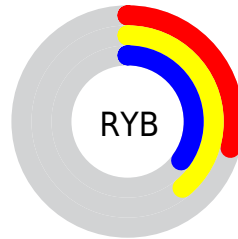
Distribution



Red (32%)

Green (39%)

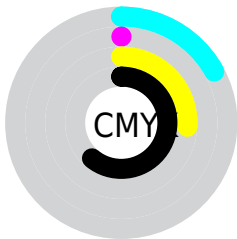
Blue (29%)



Red (29%)

Yellow (39%)

Blue (35%)

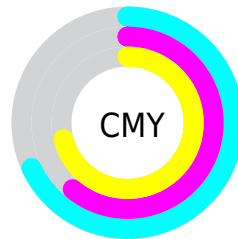


Cyan (17%)

Magenta (0%)

Yellow (26%)

Black (61%)



Cyan (68%)


Magenta (61%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 17.398, 133.144 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, 17.398, 133.144 by changing the saturation by 10% instead.

 40, 17.398,
133.144


 40, 17.398,
133.144


 100, 17.398,
133.144


 30, 17.398,
133.144

 60, 17.398,
133.144


 20, 17.398,
133.144

 70, 17.398,
133.144


 10, 17.398,
133.144

 80, 17.398,
133.144

 0, 17.398, 133.144

 90, 17.398,
133.144

 40, 17.398,

 40, 17.398,

133.144

■ 39, 23.986,
132.662

■ 39, 30.429,
132.172

■ 38, 36.613,
131.708

■ 38, 42.381,
131.326

■ 37, 47.525,
131.104

■ 37, 51.798,
131.146

■ 37, 55.237,
131.381

■ 37, 56.545,
131.373

133.144

■ 41, 10.752,
133.604

■ 42, 4.106, 134.038

■ 42, 2.495, 314.353

■ 43, 9.019, 314.721

■ 44, 15.443,
315.026

■ 45, 21.753,
315.293

■ 46, 27.937,
315.526

■ 47, 33.990,
315.729

■ 49, 39.910,

Harmonies

Complementary

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



40, 17.398, 133.144



34, 17.782, 315.299

Rectangle

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



40, 17.398, 133.144



40, 17.398, 183.144



40, 17.398, 313.144



40, 17.398, 3.144

Sweetspot

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



40, 17.399, 133.145



54, 6.607, 133.951



39, 11.135, 86.619



28, 4.735, 133.900



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 17.399, 133.145



51, 25.679, 132.871



39, 17.463, 147.115



20, 3.638, 133.924



41, 61.826, 131.588



84, 109.185, 132.459

Inverse Universe

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



34, 17.782, 315.299



42, 26.372, 315.538



35, 17.508, 330.322



18, 3.669, 314.579



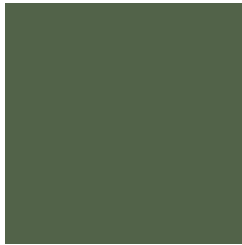
18, 65.752, 316.402



43, 115.415, 315.779

Previews

White Background



This preview shows how the CIELCh color 40, 17.398, 133.144 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, 17.398, 133.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

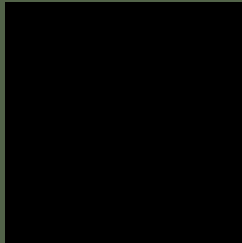
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

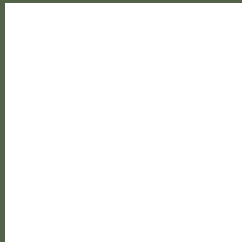
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 17.398, 133.144

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.398, 133.144.



This preview shows how white text looks on a background with the CIELCh color 40, 17.398, 133.144.

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

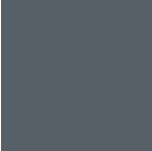
40, 17.398, 133.144

Protanopia

40, 14.283, 94.992

Deuteranopia

40, 13.054, 64.023



Tritanopia
40, 5.753, 257.439

Trichromacy



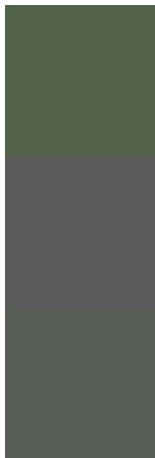
Original Color
40, 17.398, 133.144

Protanomaly
40, 14.497, 111.503

Deuteranomaly
40, 11.964, 92.933

Tritanomaly
40, 5.867, 167.415

Monochromacy



Original Color
40, 17.398, 133.144

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 6.079, 134.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.398, 133.144 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(82, 99, 73)` looks like.

```
.text, #text, p{  
    color:rgb(82, 99, 73)  
}
```

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(82, 99, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 99, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.398, 133.144 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(82, 99, 73) }
```

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

```
.border{ border-color:rgb(82, 99, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 99, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 99, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 99, 73);  
box-shadow:4px 4px 4px 4px rgb(82, 99, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.398, 133.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 99, 73) }
```

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

```
.background{ background-color: rgb(82, 99,  
73) }
```

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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