

Converting Colors

CIELCh(40, 19.210, 133.459)

Have a look what the booklet for
CIELCh(40, 19.210, 133.459)
contains.

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Color

CIELCh(40, 19.374, 133.054)

Conversions

Conversions Part 1

Format	Color
Hex	516447
RGB	81, 100, 71
RGB Percent	32%, 39%, 28%
CMY	0.6834, 0.6089, 0.7226
CMYK	0.19, 0.00, 0.29, 0.61
HSL	99°, 17%, 33%
HSV	99°, 29%, 39%
XYZ	9.0304, 11.2510, 7.6133
YIQ	91.0130, -2.0150, -13.0470

Conversions

Conversions Part 2

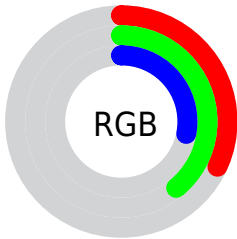
Format	Color
R_{YB}	71, 100, 90
Decimal	5334087
CIE _{Lab}	40.00, -13.23, 14.16
CIE _{LCh}	40, 19.374, 133.054
Yxy	11.2510, 0.3237, 0.4033
Android (android.graphics.Color)	4283524167 (0xFF516447)
YUV	91.0130, -9.8664, -8.7814
Hunter-Lab	33.5425, -10.6431, 10.0224

Details

The CIELCh color $40, 19.374, 133.054$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 19.847, 315.466$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 19.182, 133.089$, and $20, 19.190, 132.267$ is the 20% darker color. If you saturate the color by 10%, you get $39, 25.961, 132.567$, and if you desaturate by 10%, it is $41, 12.707, 133.523$.

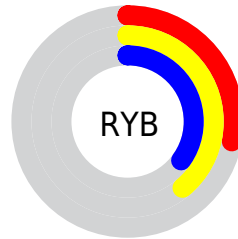
Distribution



Red (32%)

Green (39%)

Blue (28%)



Red (28%)

Yellow (39%)

Blue (35%)

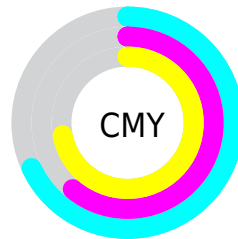


Cyan (19%)

Magenta (0%)

Yellow (29%)

Black (61%)



Cyan (68%)


Magenta (61%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.374, 133.054 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, 19.374, 133.054 by changing the saturation by 10% instead.


 40, 19.374,
133.054


 40, 19.374,
133.054


 100, 19.374,
133.054


 30, 19.374,
133.054

 60, 19.374,
133.054


 20, 19.374,
133.054

 70, 19.374,
133.054


 10, 19.374,
133.054

 80, 19.374,
133.054

 0, 19.374, 133.054

 90, 19.374,
133.054

 40, 19.374,

 40, 19.374,

133.054

■ 39, 25.961,
132.567

■ 39, 32.373,
132.079

■ 38, 38.484,
131.630

■ 38, 44.121,
131.282

■ 37, 49.062,
131.123

■ 37, 53.054,
131.260

■ 37, 56.452,
131.424

■ 37, 56.778,
131.416

133.054

■ 41, 12.707,
133.523

■ 42, 6.025, 133.962

■ 42, 0.624, 314.175

■ 43, 7.203, 314.673

■ 44, 13.687,
314.991

■ 45, 20.059,
315.268

■ 46, 26.307,
315.510

■ 47, 32.425,
315.721

■ 48, 38.408,

Harmonies

Complementary

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



40, 19.374, 133.054



33, 19.847, 315.466

Rectangle

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



40, 19.374, 133.054



40, 19.374, 183.054



40, 19.374, 313.054



40, 19.374, 3.054

Sweetspot

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



40, 19.375, 133.055



53, 7.440, 133.954



39, 12.435, 86.262



27, 5.213, 133.907



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, 19.375, 133.055



51, 28.969, 132.716



39, 19.439, 146.881



21, 3.800, 133.967



42, 62.873, 131.657



85, 110.113, 132.497

Inverse Universe

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



33, 19.847, 315.466



41, 29.850, 315.755



34, 19.488, 330.491



19, 3.833, 314.631



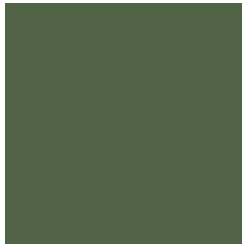
19, 66.805, 316.419



44, 116.312, 315.817

Previews

White Background



This preview shows how the CIELCh color 40, 19.374, 133.054 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, 19.374, 133.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

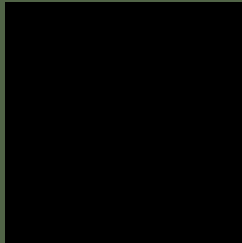
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

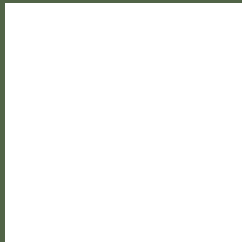
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 19.374, 133.054

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.374, 133.054.



This preview shows how white text looks on a background with the CIELCh color 40, 19.374, 133.054.

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, 19.374, 133.054

Protanopia

40, 16.041, 96.050

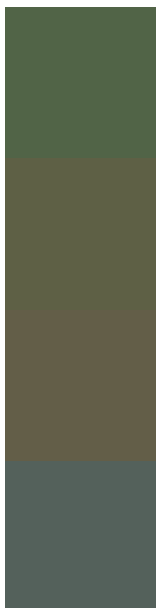
Deuteranopia

40, 13.988, 67.185



Tritanopia
40, 5.741, 247.237

Trichromacy



Original Color
40, 19.374, 133.054

Protanomaly
40, 16.275, 110.859

Deuteranomaly
40, 13.506, 98.358

Tritanomaly
40, 6.560, 164.725

Monochromacy



Original Color
40, 19.374, 133.054

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 6.822, 135.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.374, 133.054 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(81, 100, 71)` looks like.

```
.text, #text, p{  
    color:rgb(81, 100, 71)  
}
```

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(81, 100, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 100, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.374, 133.054 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(81, 100, 71) }
```

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

```
.border{ border-color:rgb(81, 100, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 100, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 100, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 100, 71);  
box-shadow:4px 4px 4px 4px rgb(81, 100,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.374, 133.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 100, 71) }
```

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

```
.background{ background-color: rgb(81, 100,  
71) }
```

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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