

Converting Colors

CIELCh(40, 17.706, 135.339)

Have a look what the booklet for
CIELCh(40, 17.706, 135.339)
contains.

CIELCh(40, 17.767, 135.545)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 17.767, 135.545)

Conversions

Conversions Part 1

Format	Color
Hex	51644A
RGB	81, 100, 74
RGB Percent	32%, 39%, 29%
CMY	0.6840, 0.6095, 0.7114
CMYK	0.19, 0.00, 0.26, 0.61
HSL	104°, 15%, 34%
HSV	104°, 26%, 39%
XYZ	9.0952, 11.2510, 8.0983
YIQ	91.3550, -2.9780, -12.1140

Conversions

Conversions Part 2

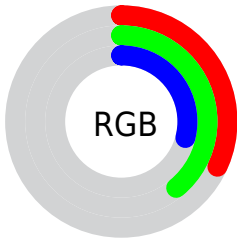
Format	Color
R_{YB}	74, 100, 93
Decimal	5334090
CIE _{Lab}	40.00, -12.68, 12.44
CIE _{LCh}	40, 17.767, 135.545
Yxy	11.2510, 0.3198, 0.3955
Android (android.graphics.Color)	4283524170 (0xFF51644A)
YUV	91.3550, -8.5560, -9.0813
Hunter-Lab	33.5425, -10.2983, 9.1652

Details

The CIELCh color $40, 17.767, 135.545$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 18.055, 317.748$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 17.671, 135.369$, and $20, 17.472, 135.091$ is the 20% darker color. If you saturate the color by 10%, you get $39, 24.536, 135.019$, and if you desaturate by 10%, it is $41, 10.941, 136.035$.

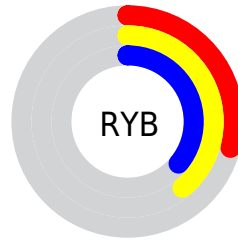
Distribution



Red (32%)

Green (39%)

Blue (29%)



Red (29%)

Yellow (39%)

Blue (36%)

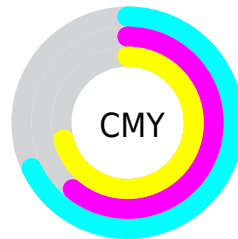


Cyan (19%)

Magenta (0%)

Yellow (26%)

Black (61%)



Cyan (68%)


Magenta (61%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 17.767, 135.545 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, 17.767, 135.545 by changing the saturation by 10% instead.


 40, 17.767,
135.545


 40, 17.767,
135.545


 100, 17.767,
135.545


 30, 17.767,
135.545

 60, 17.767,
135.545


 20, 17.767,
135.545

 70, 17.767,
135.545


 10, 17.767,
135.545

 80, 17.767,
135.545

 0, 17.767, 135.545

 90, 17.767,
135.545

 40, 17.767,

 40, 17.767,

135.545

■ 39, 24.536,
135.019

■ 39, 31.153,
134.469

■ 38, 37.496,
133.925

■ 38, 43.398,
133.438

■ 37, 48.644,
133.088

■ 37, 52.979,
132.976

■ 37, 56.416,
133.037

■ 36, 57.747,
132.951

135.545

■ 41, 10.941,
136.035

■ 42, 4.123, 136.489

■ 43, 2.638, 316.808

■ 44, 9.306, 317.182

■ 45, 15.857,
317.487

■ 46, 22.274,
317.749

■ 47, 28.547,
317.977

■ 48, 34.671,
318.172

■ 49, 40.645,

Harmonies

Complementary

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



40, 17.767, 135.545



34, 18.055, 317.748

Rectangle

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



40, 17.767, 135.545



40, 17.767, 185.545



40, 17.767, 315.545



40, 17.767, 5.545

Sweetspot

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



40, 17.768, 135.546



53, 6.752, 136.392



39, 11.806, 91.894



27, 4.839, 136.340



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, 17.768, 135.546



51, 26.278, 135.243



40, 16.603, 149.331



21, 3.882, 136.361



42, 64.010, 133.165



84, 112.003, 133.882

Inverse Universe

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



34, 18.055, 317.748



42, 26.794, 317.985



35, 16.685, 332.690



19, 3.909, 317.038



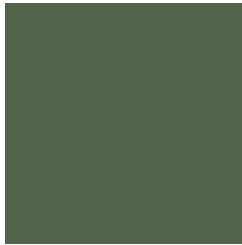
20, 65.925, 318.725



47, 114.639, 318.210

Previews

White Background



This preview shows how the CIELCh color 40, 17.767, 135.545 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, 17.767, 135.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

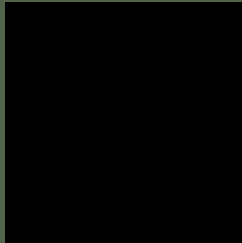
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 17.767, 135.545

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.767, 135.545.



This preview shows how white text looks on a background with the CIELCh color 40, 17.767, 135.545.

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, 17.767, 135.545

Protanopia

40, 14.283, 94.992

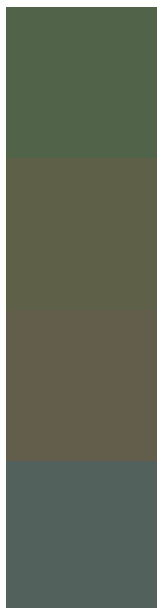
Deuteranopia

40, 12.260, 63.704



Tritanopia
40, 6.004, 244.495

Trichromacy



Original Color
40, 17.767, 135.545

Protanomaly
40, 14.497, 111.503

Deuteranomaly
40, 11.259, 94.498

Tritanomaly
40, 6.568, 170.922

Monochromacy



Original Color
40, 17.767, 135.545

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 6.278, 137.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.767, 135.545 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(81, 100, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 100, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.767, 135.545 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, 74) }
```

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

```
.border{ border-color:rgb(81, 100, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 100, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 100, 74);  
box-shadow:4px 4px 4px 4px rgb(81, 100,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.767, 135.545 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, 74) }
```

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

```
.background{ background-color: rgb(81, 100,  
74) }
```

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