

Converting Colors

CIELCh(41, 13.387, 170.551)

Have a look what the booklet for
CIELCh(41, 13.387, 170.551)
contains.

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Color

CIELCh(41, 13.510, 171.026)

Conversions

Conversions Part 1

Format	Color
Hex	49675D
RGB	73, 103, 93
RGB Percent	29%, 40%, 36%
CMY	0.7144, 0.5967, 0.6359
CMYK	0.29, 0.00, 0.10, 0.60
HSL	160°, 17%, 34%
HSV	160°, 29%, 40%
XYZ	9.5374, 11.8645, 12.1051
YIQ	92.8900, -14.6700, -9.4700

Conversions

Conversions Part 2

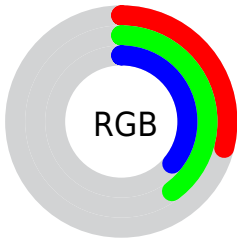
Format	Color
R_{YB}	73, 91, 103
Decimal	4810589
CIE _{Lab}	41.00, -13.34, 2.11
CIE _{LCh}	41, 13.510, 171.026
Yxy	11.8645, 0.2846, 0.3541
Android (android.graphics.Color)	4283000669 (0xFF49675D)
YUV	92.8900, 0.0542, -17.4435
Hunter-Lab	34.4449, -10.8542, 3.2750

Details

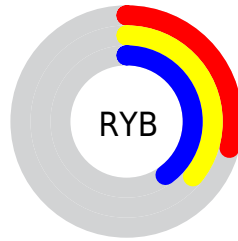
The CIELCh color **41, 13.510, 171.026** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 14.505, 356.601**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 13.619, 171.092**, and **21, 13.755, 170.589** is the 20% darker color. If you saturate the color by 10%, you get **40, 17.856, 169.942**, and if you desaturate by 10%, it is **42, 8.978, 172.023**.

Distribution



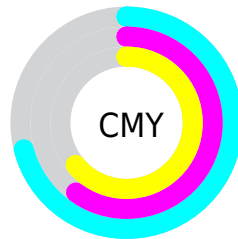
- Red (29%)
- Green (40%)
- Blue (36%)



- Red (29%)
- Yellow (36%)
- Blue (40%)



- Cyan (29%)
- Magenta (0%)
- Yellow (10%)
- Black (60%)





- Cyan (71%)
- Magenta (60%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 13.510, 171.026 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 41, 13.510, 171.026 by changing the saturation by 10% instead.


 41, 13.510,
171.026


 41, 13.510,
171.026


 100, 13.510,
171.026


 31, 13.510,
171.026

 61, 13.510,
171.026


 21, 13.510,
171.026

 71, 13.510,
171.026


 11, 13.510,
171.026


 81, 13.510,
171.026

 1, 13.510, 171.026

 91, 13.510,
171.026

 0, 13.510, 171.026

 41, 13.510,

 41, 13.510,

171.026

171.026

■ 40, 17.856,
169.942

■ 42, 8.978, 172.023

■ 40, 21.945,
168.758

■ 43, 4.323, 172.973

■ 39, 25.708,
167.450

■ 44, 0.397, 353.037

■ 39, 29.084,
165.999

■ 46, 9.852, 355.290

■ 38, 32.030,
164.383

■ 47, 14.519,
356.019

■ 38, 34.528,
162.588

■ 48, 19.115,
356.709

■ 38, 36.778,
160.781

■ 50, 23.624,
357.366

■ 38, 36.967,
160.641

■ 51, 28.037,
357.996

Harmonies

Complementary

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



41, 13.510, 171.026



34, 14.505, 356.601

Rectangle

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



41, 13.510, 171.026



41, 13.510, 221.026



41, 13.510, 351.026



41, 13.510, 41.026

Sweetspot

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



41, 13.511, 171.024



54, 5.229, 172.965



41, 20.007, 133.405



27, 3.603, 172.864



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 13.511, 171.024



52, 19.773, 170.298



40, 9.892, 216.402



21, 2.630, 172.997



42, 40.152, 160.337



85, 71.326, 158.897

Inverse Universe

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



34, 14.505, 356.601



42, 21.599, 357.481



36, 11.969, 35.864



19, 2.688, 354.409



23, 47.485, 15.444



51, 83.517, 19.102

Previews

White Background



This preview shows how the CIE LCh color 41, 13.510, 171.026 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 41, 13.510, 171.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

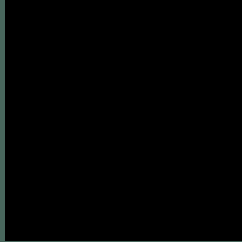
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

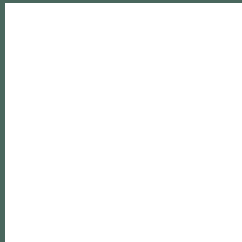
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 13.510, 171.026

Background



This preview shows how black text looks on a background with the CIELCh color 41, 13.510, 171.026.



This preview shows how white text looks on a background with the CIELCh color 41, 13.510, 171.026.

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


41, 13.510, 171.026

Protanopia

41, 4.563, 87.300

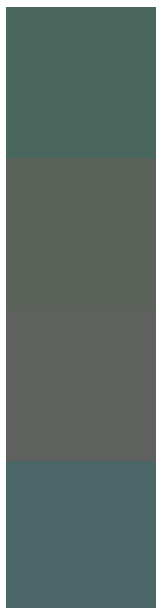
Deuteranopia

41, 5.672, 7.836



Tritanopia
41, 10.389, 226.450

Trichromacy



Original Color
41, 13.510, 171.026

Protanomaly
41, 5.937, 144.027

Deuteranomaly
41, 2.219, 144.350

Tritanomaly
41, 10.358, 201.560

Monochromacy



Original Color
41, 13.510, 171.026

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 5.191, 170.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 13.510, 171.026 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(73, 103, 93)` looks like.

```
.text, #text, p{  
    color:rgb(73, 103, 93)  
}
```

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(73, 103, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 103, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 13.510, 171.026 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(73, 103, 93) }
```

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

```
.border{ border-color:rgb(73, 103, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 103, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 103, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 103, 93);  
box-shadow:4px 4px 4px 4px rgb(73, 103,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 13.510, 171.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 103, 93) }
```

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

```
.background{ background-color: rgb(73, 103,  
93) }
```

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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