

Converting Colors

CIELCh(41, 19.275, 133.090)

Have a look what the booklet for
CIELCh(41, 19.275, 133.090)
contains.

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Color

CIELCh(41, 19.308, 133.078)

Conversions

Conversions Part 1

Format	Color
Hex	536649
RGB	83, 102, 73
RGB Percent	33%, 40%, 29%
CMY	0.6739, 0.5993, 0.7131
CMYK	0.19, 0.00, 0.28, 0.60
HSL	99°, 17%, 34%
HSV	99°, 28%, 40%
XYZ	9.5568, 11.8645, 8.1168
YIQ	93.0130, -2.0150, -13.0470

Conversions

Conversions Part 2

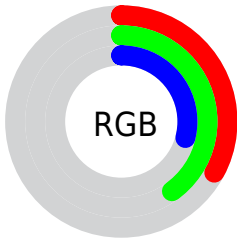
Format	Color
R_{YB}	73, 102, 92
Decimal	5465673
CIE _{Lab}	41.00, -13.19, 14.10
CIE _{LCh}	41, 19.308, 133.078
Yxy	11.8645, 0.3235, 0.4017
Android (android.graphics.Color)	4283655753 (0xFF536649)
YUV	93.0130, -9.8664, -8.7814
Hunter-Lab	34.4449, -10.7537, 10.1400

Details

The CIELCh color $41, 19.308, 133.078$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 19.770, 315.437$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 19.135, 133.100$, and $21, 19.315, 133.505$ is the 20% darker color. If you saturate the color by 10%, you get $40, 26.034, 132.590$, and if you desaturate by 10%, it is $42, 12.505, 133.546$.

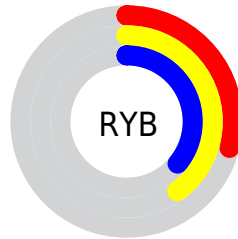
Distribution



Red (33%)

Green (40%)

Blue (29%)



Red (29%)

Yellow (40%)

Blue (36%)

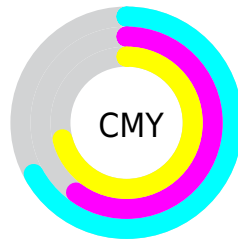


Cyan (19%)

Magenta (0%)

Yellow (28%)

Black (60%)



Cyan (67%)


Magenta (60%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 19.308, 133.078 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, 19.308, 133.078 by changing the saturation by 10% instead.


 41, 19.308,
133.078


 41, 19.308,
133.078


 100, 19.308,
133.078


 31, 19.308,
133.078

 61, 19.308,
133.078


 21, 19.308,
133.078

 71, 19.308,
133.078


 11, 19.308,
133.078


 81, 19.308,
133.078

 1, 19.308, 133.078

 91, 19.308,
133.078

 0, 19.308, 133.078

 41, 19.308,

 41, 19.308,

133.078

133.078

■ 40, 26.034,
132.590

■ 42, 12.505,
133.546

■ 40, 32.588,
132.100

■ 43, 5.689, 133.986

■ 39, 38.841,
131.647

■ 43, 1.089, 314.263

■ 44, 7.795, 314.693

■ 39, 44.619,
131.291

■ 45, 14.401,
315.009

■ 38, 49.697,
131.122

■ 46, 20.892,
315.283

■ 38, 53.816,
131.244

■ 47, 27.256,
315.524

■ 38, 57.220,
131.462

■ 49, 33.485,
315.733

■ 38, 57.776,
131.457

■ 50, 39.578,

Harmonies

Complementary

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



41, 19.308, 133.078



34, 19.770, 315.437

Rectangle

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



41, 19.308, 133.078



41, 19.308, 183.078



41, 19.308, 313.078



41, 19.308, 3.078

Sweetspot

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



41, 19.309, 133.079



54, 7.559, 133.949



40, 12.385, 86.335



27, 5.212, 133.902



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, 19.309, 133.079



52, 28.601, 132.759



40, 19.373, 146.929



21, 3.800, 133.963



42, 62.871, 131.654



85, 110.110, 132.495

Inverse Universe

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



34, 19.770, 315.437



42, 29.448, 315.711



35, 19.423, 330.456



19, 3.833, 314.626



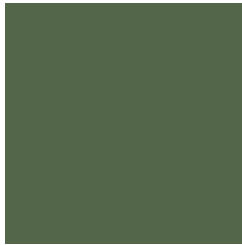
19, 66.807, 316.416



44, 116.315, 315.813

Previews

White Background



This preview shows how the CIE LCh color 41, 19.308, 133.078 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 41, 19.308, 133.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

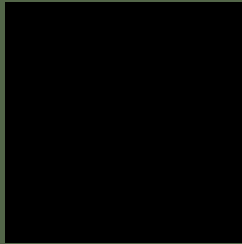
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 19.308, 133.078

Background



This preview shows how black text looks on a background with the CIELCh color 41, 19.308, 133.078.

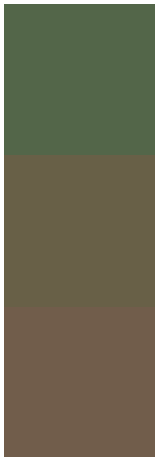


This preview shows how white text looks on a background with the CIELCh color 41, 19.308, 133.078.

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, 19.308, 133.078

Protanopia

41, 15.508, 94.123

Deuteranopia

41, 14.371, 68.692



Tritanopia
41, 6.165, 251.283

Trichromacy



Original Color
41, 19.308, 133.078

Protanomaly
41, 15.631, 111.103

Deuteranomaly
41, 13.544, 96.503

Tritanomaly
41, 6.863, 166.557

Monochromacy



Original Color
41, 19.308, 133.078

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 6.796, 135.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 19.308, 133.078 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(83, 102, 73)` looks like.

```
.text, #text, p{  
    color:rgb(83, 102, 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(83, 102, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 102, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 19.308, 133.078 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(83, 102, 73) }
```

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

```
.border{ border-color:rgb(83, 102, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 102, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 102, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 102, 73);  
box-shadow:4px 4px 4px 4px rgb(83, 102,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 19.308, 133.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 102, 73) }
```

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

```
.background{ background-color: rgb(83, 102,  
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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