

Converting Colors

CIELCh(46, 19.633, 139.833)

Have a look what the booklet for
CIELCh(46, 19.633, 139.833)
contains.

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Color

CIELCh(46, 19.415, 139.243)

Conversions

Conversions Part 1

Format	Color
Hex	5B7357
RGB	91, 115, 87
RGB Percent	36%, 45%, 34%
CMY	0.6419, 0.5477, 0.6576
CMYK	0.21, 0.00, 0.24, 0.55
HSL	111°, 14%, 40%
HSV	111°, 24%, 45%
XYZ	12.2459, 15.2687, 11.3846
YIQ	104.6320, -5.3160, -13.7960

Conversions

Conversions Part 2

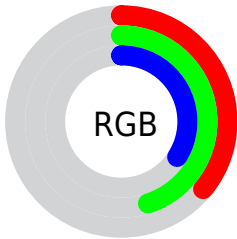
Format	Color
RYB	87, 115, 111
Decimal	5993303
CIELab	46.00, -14.71, 12.68
CIELCh	46, 19.415, 139.243
Yxy	15.2687, 0.3148, 0.3925
Android (android.graphics.Color)	4284183383 (0xFF5B7357)
YUV	104.6320, -8.6926, -11.9553
Hunter-Lab	39.0751, -12.4406, 10.0783

Details

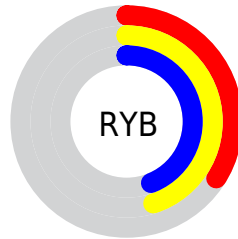
The CIELCh color $46, 19.415, 139.243$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 19.561, 321.556$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 19.273, 138.912$, and $26, 19.381, 140.187$ is the 20% darker color. If you saturate the color by 10%, you get $45, 27.375, 138.605$, and if you desaturate by 10%, it is $47, 11.394, 139.815$.

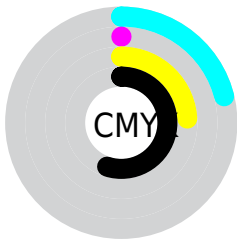
Distribution



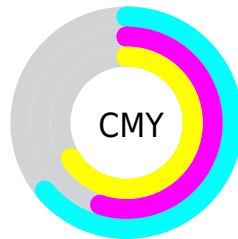
- Red (36%)
- Green (45%)
- Blue (34%)



- Red (34%)
- Yellow (45%)
- Blue (44%)



- Cyan (21%)
- Magenta (0%)
- Yellow (24%)
- Black (55%)





- Cyan (64%)
- Magenta (55%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 19.415, 139.243 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 46, 19.415, 139.243 by changing the saturation by 10% instead.


 46, 19.415,
139.243


 46, 19.415,
139.243


 100, 19.415,
139.243


 36, 19.415,
139.243


 66, 19.415,
139.243


 26, 19.415,
139.243


 76, 19.415,
139.243

 16, 19.415,
139.243


 86, 19.415,
139.243

 6, 19.415, 139.243

 96, 19.415,
139.243

 0, 19.415, 139.243

 46, 19.415,

 46, 19.415,

139.243

139.243

■ 45, 27.375,
138.605

■ 47, 11.394,
139.815

■ 44, 35.147,
137.905

■ 48, 3.400, 140.341

■ 44, 42.570,
137.166

■ 49, 4.498, 320.693

■ 43, 49.431,
136.434

■ 51, 12.253,
321.084

■ 43, 55.464,
135.785

■ 52, 19.835,
321.406

■ 42, 60.360,
135.326

■ 53, 27.224,
321.680

■ 42, 63.901,
135.128

■ 55, 34.410,
321.913

■ 42, 65.676,
134.901

■ 56, 41.389,
322.112

■ 58, 48.164,
322.282

Harmonies

Complementary

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



46, 19.415, 139.243



40, 19.561, 321.556

Rectangle

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



46, 19.415, 139.243



46, 19.415, 189.243



46, 19.415, 319.243



46, 19.415, 9.243

Sweetspot

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



46, 19.416, 139.244



61, 6.910, 140.187



47, 14.120, 100.691



32, 4.526, 140.167



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 19.416, 139.244



59, 28.814, 138.903



46, 15.780, 154.542



24, 4.537, 140.091



44, 68.583, 134.955



86, 116.914, 135.365

Inverse Universe

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



40, 19.561, 321.556



50, 29.066, 321.796



41, 15.980, 338.105



23, 4.555, 320.867



25, 67.854, 322.938



53, 115.142, 322.657

Previews

White Background



This preview shows how the CIELCh color 46, 19.415, 139.243 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 46, 19.415, 139.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

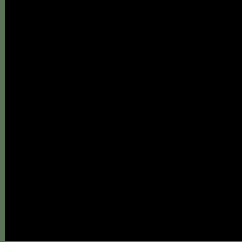
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 19.415, 139.243

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.415, 139.243.



This preview shows how white text looks on a background with the CIELCh color 46, 19.415, 139.243.

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

46, 19.415, 139.243

Protanopia

46, 15.067, 96.152

Deuteranopia

46, 12.910, 59.878



Tritanopia
46, 7.451, 245.060

Trichromacy



Original Color
46, 19.415, 139.243

Protanomaly
46, 15.396, 114.564

Deuteranomaly
46, 11.448, 97.555

Tritanomaly
46, 7.807, 176.145

Monochromacy



Original Color
46, 19.415, 139.243

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.057, 141.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.415, 139.243 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(91, 115, 87)` looks like.

```
.text, #text, p{  
    color:rgb(91, 115, 87)  
}
```

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(91, 115, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 115, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.415, 139.243 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(91, 115, 87) }
```

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

```
.border{ border-color:rgb(91, 115, 87) }
```

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

Here you see how a box with a 4 pixel rgb(91, 115, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 115, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 115, 87);  
box-shadow:4px 4px 4px 4px rgb(91, 115,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.415, 139.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 115, 87) }
```

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

```
.background{ background-color: rgb(91, 115,  
87) }
```

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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