

Converting Colors

CIELCh(46, 13.919, 195.033)

Have a look what the booklet for
CIELCh(46, 13.919, 195.033)
contains.

CIELCh(46, 14.066, 195.418)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 14.066, 195.418)

Conversions

Conversions Part 1

Format	Color
Hex	4E7473
RGB	78, 116, 115
RGB Percent	31%, 45%, 45%
CMY	0.6952, 0.5461, 0.5501
CMYK	0.33, 0.00, 0.01, 0.55
HSL	178°, 20%, 38%
HSV	178°, 33%, 45%
XYZ	12.4135, 15.2687, 18.4315
YIQ	104.5240, -22.3270, -8.3670

Conversions

Conversions Part 2

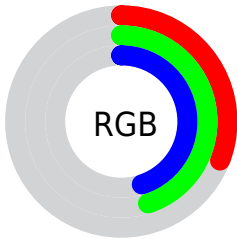
Format	Color
R_{YB}	78, 97, 116
Decimal	5141619
CIE _{Lab}	46.00, -13.56, -3.74
CIE _{LCh}	46, 14.066, 195.418
Yxy	15.2687, 0.2692, 0.3311
Android (android.graphics.Color)	4283331699 (0xFF4E7473)
YUV	104.5240, 5.1647, -23.2615
Hunter-Lab	39.0751, -11.6750, -0.6141

Details

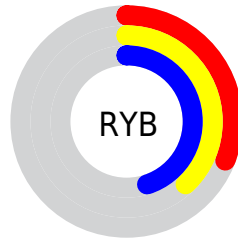
The CIELCh color $46, 14.066, 195.418$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 17.245, 20.064$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 13.895, 195.947$, and $26, 14.200, 194.484$ is the 20% darker color. If you saturate the color by 10%, you get $45, 17.635, 194.912$, and if you desaturate by 10%, it is $47, 10.111, 195.952$.

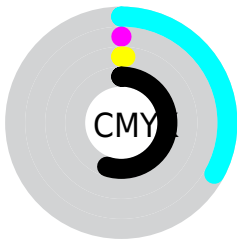
Distribution



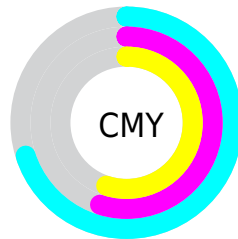
- Red (31%)
- Green (45%)
- Blue (45%)



- Red (31%)
- Yellow (38%)
- Blue (45%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (55%)



- Cyan (70%)
- Magenta (55%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 14.066, 195.418 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, 14.066, 195.418 by changing the saturation by 10% instead.

 46, 14.066,
195.418


 46, 14.066,
195.418


 100, 14.066,
195.418

 36, 14.066,
195.418

 66, 14.066,
195.418


 26, 14.066,
195.418

 76, 14.066,
195.418

 16, 14.066,
195.418


 86, 14.066,
195.418

 6, 14.066, 195.418

 96, 14.066,
195.418

 0, 14.066, 195.418

 46, 14.066,

 46, 14.066,

195.418

■ 45, 17.635,
194.912

■ 45, 20.752,
194.443

■ 44, 23.362,
194.006

■ 44, 25.431,
193.598

■ 44, 26.947,
193.212

■ 44, 27.935,
192.841

■ 44, 28.518,
192.583

195.418

■ 47, 10.111,
195.952

■ 48, 5.838, 196.533

■ 48, 1.316, 197.327

■ 49, 3.394, 17.536

■ 51, 8.236, 18.211

■ 52, 13.163, 18.848

■ 53, 18.136, 19.480

■ 54, 23.125, 20.110

■ 56, 28.105, 20.736

Harmonies

Complementary

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



46, 14.066, 195.418



37, 17.245, 20.064

Rectangle

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



46, 14.066, 195.418



46, 14.066, 245.418



46, 14.066, 15.418



46, 14.066, 65.418

Sweetspot

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



46, 14.066, 195.415



61, 5.676, 196.695



45, 27.227, 141.456



32, 3.892, 196.624



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, 14.066, 195.415



58, 20.148, 195.051



41, 12.824, 256.558



24, 2.612, 196.775



46, 29.688, 192.561



89, 50.392, 192.354

Inverse Universe

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



37, 17.245, 20.064



46, 25.983, 21.047



42, 14.247, 68.025



23, 2.750, 17.728



24, 58.307, 36.951



52, 101.951, 39.262

Previews

White Background



This preview shows how the CIELCh color 46, 14.066, 195.418 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 46, 14.066, 195.418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

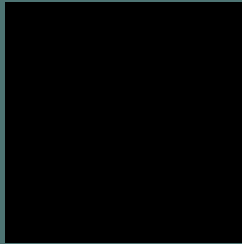
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 14.066, 195.418

Background



This preview shows how black text looks on a background with the CIELCh color 46, 14.066, 195.418.



This preview shows how white text looks on a background with the CIELCh color 46, 14.066, 195.418.

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, 14.066, 195.418

Protanopia

46, 1.454, 324.422

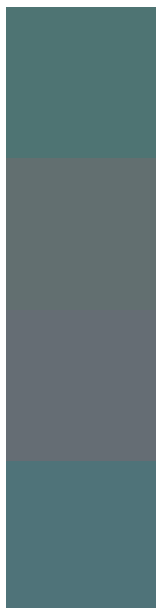
Deuteranopia

46, 8.235, 320.223



Tritanopia
46, 13.327, 224.914

Trichromacy



Original Color
46, 14.066, 195.418

Protanomaly
46, 5.151, 205.537

Deuteranomaly
46, 5.153, 253.359

Tritanomaly
46, 13.358, 213.658

Monochromacy



Original Color
46, 14.066, 195.418

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.555, 198.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 14.066, 195.418 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(78, 116, 115)` looks like.

```
.text, #text, p{  
    color:rgb(78, 116, 115)  
}
```

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(78, 116, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 116, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 14.066, 195.418 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(78, 116, 115) }
```

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

```
.border{ border-color:rgb(78, 116, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 116, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 116, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 116, 115);  
box-shadow:4px 4px 4px 4px rgb(78, 116,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 14.066, 195.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 116, 115) }
```

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

```
.background{ background-color: rgb(78, 116,  
115) }
```

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