

Converting Colors

CIELCh(46, 13.782, 237.196)

Have a look what the booklet for
CIELCh(46, 13.782, 237.196)
contains.

CIELCh(46, 13.849, 238.857)	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, 13.849, 238.857)

Conversions

Conversions Part 1

Format	Color
Hex	527180
RGB	82, 113, 128
RGB Percent	32%, 44%, 50%
CMY	0.6770, 0.5554, 0.4966
CMYK	0.36, 0.12, 0.00, 0.50
HSL	200°, 22%, 41%
HSV	200°, 36%, 50%
XYZ	13.3766, 15.2687, 22.7912
YIQ	105.4410, -23.2910, -1.9070

Conversions

Conversions Part 2

Format	Color
R_{YB}	82, 101, 128
Decimal	5403008
CIE _{Lab}	46.00, -7.16, -11.85
CIE _{LCh}	46, 13.849, 238.857
Yxy	15.2687, 0.2601, 0.2968
Android (android.graphics.Color)	4283593088 (0xFF527180)
YUV	105.4410, 11.1216, -20.5578
Hunter-Lab	39.0751, -7.2758, -7.2292

Details

The CIELCh color $46, 13.849, 238.857$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $44, 16.914, 52.395$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 13.897, 238.573$, and $26, 13.831, 240.089$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.186, 240.652$, and if you desaturate by 10%, it is $48, 10.247, 237.410$.

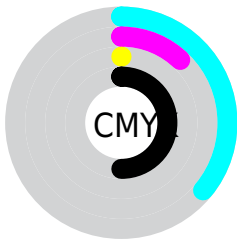
Distribution



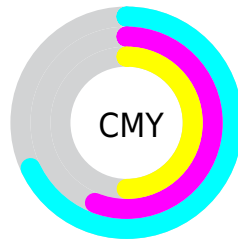
- Red (32%)
- Green (44%)
- Blue (50%)



- Red (32%)
- Yellow (40%)
- Blue (50%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (50%)




- Cyan (68%)
- Magenta (56%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.849, 238.857 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, 13.849, 238.857 by changing the saturation by 10% instead.

 46, 13.849,
238.857


 46, 13.849,
238.857


 100, 13.849,
238.857


 36, 13.849,
238.857

 66, 13.849,
238.857


 26, 13.849,
238.857

 76, 13.849,
238.857

 16, 13.849,
238.857


 86, 13.849,
238.857

 6, 13.849, 238.857

 96, 13.849,
238.857

 0, 13.849, 238.857

 46, 13.849,

 46, 13.849,

238.857

238.857

■ 44, 17.186,
240.652

■ 48, 10.247,
237.410

■ 42, 20.224,
242.878

■ 50, 6.421, 236.262

■ 40, 22.940,
245.611

■ 52, 2.414, 235.413

■ 55, 1.738, 54.302

■ 38, 25.339,
248.923

■ 57, 6.001, 53.833

■ 37, 27.458,
252.854

■ 59, 10.346, 53.359

■ 62, 14.748, 52.963

■ 35, 29.399,
257.314

■ 64, 19.188, 52.635

■ 35, 30.235,
259.105

■ 66, 23.650, 52.365

Harmonies

Complementary

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



46, 13.849, 238.857



44, 16.914, 52.395

Rectangle

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



46, 13.849, 238.857



46, 13.849, 288.857



46, 13.849, 58.857



46, 13.849, 108.857

Sweetspot

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



46, 13.849, 238.854



65, 5.545, 235.826



50, 25.973, 152.049



34, 3.747, 235.926



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 13.849, 238.854



57, 19.986, 240.286



39, 23.069, 286.383



26, 2.302, 235.645



34, 30.077, 259.067



0, 0.000, 0.000

Inverse Universe

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



41, 26.143, 337.984



50, 38.403, 338.687



50, 22.020, 97.403



25, 4.058, 335.936



27, 54.664, 346.092



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 46, 13.849, 238.857 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, 13.849, 238.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

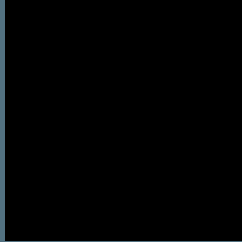
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 13.849, 238.857

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.849, 238.857.



This preview shows how white text looks on a background with the CIELCh color 46, 13.849, 238.857.

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, 13.849, 238.857

Protanopia

46, 10.124, 287.243

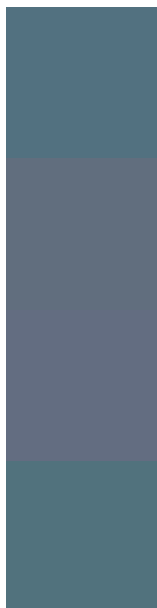
Deuteranopia

46, 14.366, 296.642



Tritanopia
46, 12.855, 223.006

Trichromacy



Original Color
46, 13.849, 238.857

Protanomaly
46, 10.538, 264.102

Deuteranomaly
46, 12.348, 274.375

Tritanomaly
46, 13.257, 228.048

Monochromacy



Original Color
46, 13.849, 238.857

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.490, 231.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.849, 238.857 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(82, 113, 128)` looks like.

```
.text, #text, p{  
    color:rgb(82, 113, 128)  
}
```

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(82, 113, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 113, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.849, 238.857 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(82, 113, 128) }
```

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

```
.border{ border-color:rgb(82, 113, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 113, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 113, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 113, 128);  
box-shadow:4px 4px 4px 4px rgb(82, 113,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.849, 238.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 113, 128) }
```

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

```
.background{ background-color: rgb(82, 113,  
128) }
```

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