

Converting Colors

CIELCh(46, 27.875, 255.287)

Have a look what the booklet for
CIELCh(46, 27.875, 255.287)
contains.

CIELCh(46, 27.878, 255.237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 27.878, 255.237)

Conversions

Conversions Part 1

Format	Color
Hex	36739A
RGB	54, 115, 154
RGB Percent	21%, 45%, 60%
CMY	0.7900, 0.5505, 0.3976
CMYK	0.65, 0.25, 0.00, 0.40
HSL	203°, 48%, 41%
HSV	203°, 65%, 60%
XYZ	13.3856, 15.2687, 32.6412
YIQ	101.2070, -48.8750, -0.8030

Conversions

Conversions Part 2

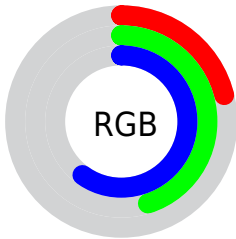
Format	Color
RYB	54, 92, 154
Decimal	3568538
CIELab	46.00, -7.10, -26.96
CIElCh	46, 27.878, 255.237
Yxy	15.2687, 0.2184, 0.2491
Android (android.graphics.Color)	4281758618 (0xFF36739A)
YUV	101.2070, 26.0269, -41.4005
Hunter-Lab	39.0751, -7.2345, -22.1750

Details

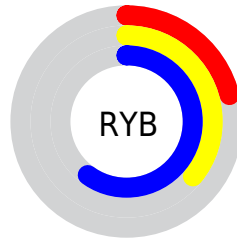
The CIELCh color **46, 27.878, 255.237** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **45, 38.888, 56.894**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 27.970, 255.455**, and **27, 26.510, 261.668** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.250, 258.893**, and if you desaturate by 10%, it is **48, 24.255, 252.156**.

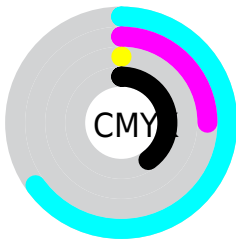
Distribution



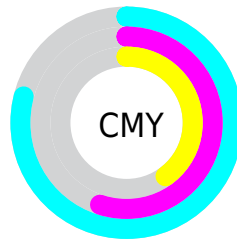
- Red (21%)
- Green (45%)
- Blue (60%)



- Red (21%)
- Yellow (36%)
- Blue (60%)



- Cyan (65%)
- Magenta (25%)
- Yellow (0%)
- Black (40%)




- Cyan (79%)
- Magenta (55%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 27.878, 255.237 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, 27.878, 255.237 by changing the saturation by 10% instead.

 46, 27.878,
255.237


 46, 27.878,
255.237


 100, 27.878,
255.237


 36, 27.878,
255.237

 66, 27.878,
255.237


 26, 27.878,
255.237

 76, 27.878,
255.237

 16, 27.878,
255.237

 86, 27.878,
255.237

 6, 27.878, 255.237

 96, 27.878,
255.237

 0, 27.878, 255.237

 46, 27.878,

 46, 27.878,

255.237

■ 44, 31.250,
258.893

■ 41, 34.433,
263.127

■ 39, 37.530,
267.847

■ 38, 39.089,
270.086

255.237

■ 48, 24.255,
252.156

■ 51, 20.362,
249.598

■ 54, 16.209,
247.494

■ 56, 11.821,
245.771

■ 59, 7.236, 244.369

■ 62, 2.491, 243.295

■ 65, 2.378, 62.021

■ 68, 7.340, 61.319

■ 71, 12.367, 60.663

Harmonies

Complementary

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



46, 27.878, 255.237



45, 38.888, 56.894

Rectangle

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



46, 27.878, 255.237



46, 27.878, 305.237



46, 27.878, 75.237



46, 27.878, 125.237

Sweetspot

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



46, 27.877, 255.237



73, 11.707, 245.068



57, 49.541, 150.867



37, 7.932, 245.440



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 27.877, 255.237



55, 39.550, 260.679



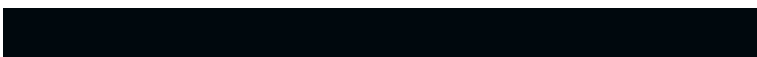
32, 55.590, 296.166



31, 2.717, 243.682



35, 36.357, 269.642



2, 2.985, 243.881

Inverse Universe

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



39, 49.878, 344.455



47, 68.485, 346.816



58, 47.585, 98.097



30, 4.516, 338.780



30, 56.507, 351.282



1, 4.804, 338.619

Previews

White Background



This preview shows how the CIELCh color 46, 27.878, 255.237 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, 27.878, 255.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

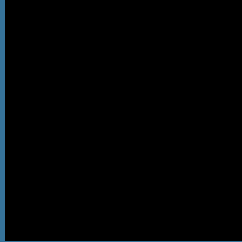
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 27.878, 255.237

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.878, 255.237.

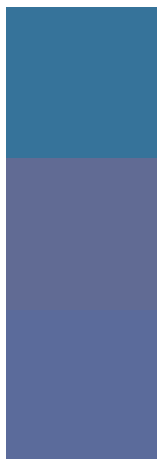


This preview shows how white text looks on a background with the CIELCh color 46, 27.878, 255.237.

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, 27.878, 255.237

Protanopia

46, 24.500, 285.514

Deuteranopia

46, 28.794, 283.688



Tritanopia
46, 23.737, 211.743

Trichromacy



Original Color
46, 27.878, 255.237

Protanomaly
46, 25.083, 271.678

Deuteranomaly
46, 27.560, 271.958

Tritanomaly
46, 23.669, 229.739

Monochromacy



Original Color
46, 27.878, 255.237

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.434, 246.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.878, 255.237 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(54, 115, 154)` looks like.

```
.text, #text, p{  
    color:rgb(54, 115, 154)  
}
```

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(54, 115, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 115, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.878, 255.237 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(54, 115, 154) }
```

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

```
.border{ border-color:rgb(54, 115, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 115, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 115, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 115, 154);  
box-shadow:4px 4px 4px 4px rgb(54, 115,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.878, 255.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 115, 154) }
```

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

```
.background{ background-color: rgb(54, 115,  
154) }
```

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