

Converting Colors

CIELCh(46, 3.596, 159.685)

Have a look what the booklet for
CIELCh(46, 3.596, 159.685) contains.

CIELCh(46, 3.731, 159.599)	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, 3.731, 159.599)

Conversions

Conversions Part 1

Format	Color
Hex	686F6B
RGB	104, 111, 107
RGB Percent	41%, 44%, 42%
CMY	0.5935, 0.5661, 0.5818
CMYK	0.06, 0.00, 0.04, 0.57
HSL	146°, 3%, 42%
HSV	146°, 6%, 43%
XYZ	13.9501, 15.2687, 16.0255
YIQ	108.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

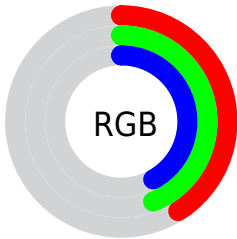
Format	Color
R_{YB}	104, 109, 111
Decimal	6844267
CIE _{Lab}	46.00, -3.50, 1.30
CIE _{LCh}	46, 3.731, 159.599
Yxy	15.2687, 0.3083, 0.3375
Android (android.graphics.Color)	4285034347 (0xFF686F6B)
YUV	108.4510, -0.7153, -3.9035
Hunter-Lab	39.0751, -4.6556, 3.0365

Details

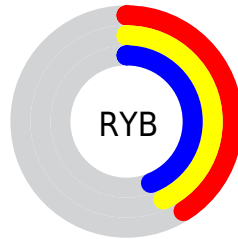
The CIELCh color $46, 3.731, 159.599$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 3.760, 340.384$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 4.133, 157.209$, and $26, 3.348, 163.014$ is the 20% darker color. If you saturate the color by 10%, you get $45, 9.658, 158.758$, and if you desaturate by 10%, it is $47, 2.166, 340.129$.

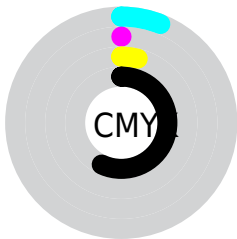
Distribution



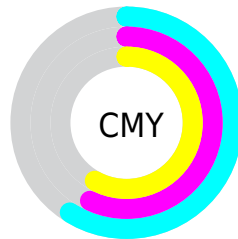
- Red (41%)
- Green (44%)
- Blue (42%)



- Red (41%)
- Yellow (43%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (57%)















- Cyan (59%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.731, 159.599 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, 3.731, 159.599 by changing the saturation by 10% instead.

 46, 3.731, 159.599	 46, 3.731, 159.599
 100, 3.731, 159.599	 36, 3.731, 159.599
 66, 3.731, 159.599	 26, 3.731, 159.599
 76, 3.731, 159.599	 16, 3.731, 159.599
 86, 3.731, 159.599	 6, 3.731, 159.599
 96, 3.731, 159.599	 0, 3.731, 159.599

 46, 3.731, 159.599	 46, 3.731, 159.599
 45, 9.658, 158.758	 47, 2.166, 340.129
 44, 15.551, 157.859	 48, 7.989, 340.862

■ 43, 21.337,
156.854

■ 50, 13.702,
341.468

■ 43, 26.930,
155.720

■ 51, 19.283,
342.018

■ 42, 32.239,
154.436

■ 52, 24.715,
342.524

■ 41, 37.171,
152.983

■ 54, 29.990,
342.995

■ 41, 41.649,
151.348

■ 55, 35.105,
343.433

■ 41, 45.617,
149.526

■ 57, 40.061,
343.845

■ 40, 49.123,
147.605

■ 59, 44.862,
344.232

Harmonies

Complementary

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



46, 3.731, 159.599



45, 3.760, 340.384

Rectangle

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



46, 3.731, 159.599



46, 3.731, 209.599



46, 3.731, 339.599



46, 3.731, 29.599

Sweetspot

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



46, 3.732, 159.594



59, 1.449, 160.047



46, 4.321, 125.835



30, 0.818, 160.078



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



46, 3.732, 159.594



58, 5.824, 159.435



46, 2.842, 192.188



23, 3.361, 159.368



44, 53.573, 146.748



86, 94.212, 145.392

Inverse Universe

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



45, 3.760, 340.384



56, 5.872, 340.540



45, 2.934, 12.860



22, 3.390, 340.605



25, 49.732, 354.001



54, 84.178, 356.092

Previews

White Background



This preview shows how the CIELCh color 46, 3.731, 159.599 looks on a white background.

Color Contrast Check

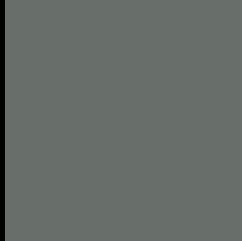
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.731, 159.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

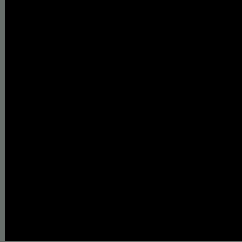
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

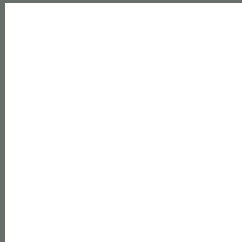
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 3.731, 159.599

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.731, 159.599.



This preview shows how white text looks on a background with the CIELCh color 46, 3.731, 159.599.

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, 3.731, 159.599

Protanopia

46, 2.422, 66.554

Deuteranopia

46, 6.497, 4.336



Tritanopia
46, 5.544, 274.510

Trichromacy



Original Color
46, 3.731, 159.599

Protanomaly
46, 1.773, 109.907

Deuteranomaly
46, 2.956, 8.090

Tritanomaly
46, 3.070, 250.156

Monochromacy



Original Color
46, 3.731, 159.599

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.363, 173.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.731, 159.599 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(104, 111, 107)` looks like.

```
.text, #text, p{  
    color:rgb(104, 111, 107)  
}
```

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(104, 111, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 111, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.731, 159.599 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(104, 111, 107) }
```

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

```
.border{ border-color:rgb(104, 111, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 111, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 111, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 111, 107);  
box-shadow:4px 4px 4px 4px rgb(104, 111,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.731, 159.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 111, 107) }
```

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

```
.background{ background-color: rgb(104,  
111, 107) }
```

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