

Converting Colors

CIELCh(46, 7.870, 141.108)

Have a look what the booklet for
CIELCh(46, 7.870, 141.108) contains.

CIELCh(46, 7.751, 141.504)	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, 7.751, 141.504)

Conversions

Conversions Part 1

Format	Color
Hex	667065
RGB	102, 112, 101
RGB Percent	40%, 44%, 40%
CMY	0.6011, 0.5619, 0.6050
CMYK	0.09, 0.00, 0.10, 0.56
HSL	115°, 5%, 42%
HSV	115°, 10%, 44%
XYZ	13.5464, 15.2687, 14.4740
YIQ	107.7560, -2.4290, -5.5410

Conversions

Conversions Part 2

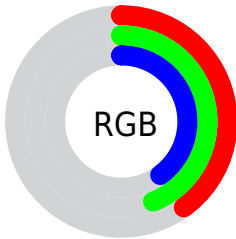
Format	Color
R_{YB}	101, 112, 111
Decimal	6713445
CIE Lab	46.00, -6.07, 4.82
CIE LCh	46, 7.751, 141.504
Yxy	15.2687, 0.3129, 0.3527
Android (android.graphics.Color)	4284903525 (0xFF667065)
YUV	107.7560, -3.3307, -5.0480
Hunter-Lab	39.0751, -6.5000, 5.3907

Details

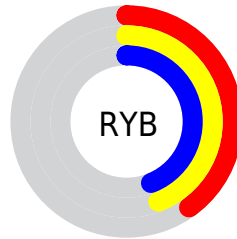
The CIELCh color $46, 7.751, 141.504$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 7.777, 322.408$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 7.899, 141.835$, and $26, 7.753, 140.998$ is the 20% darker color. If you saturate the color by 10%, you get $45, 15.698, 140.924$, and if you desaturate by 10%, it is $47, 0.129, 320.781$.

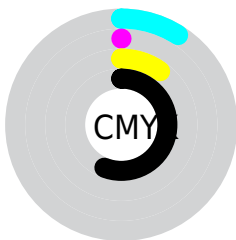
Distribution



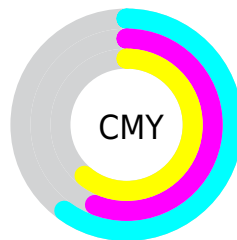
- Red (40%)
- Green (44%)
- Blue (40%)



- Red (40%)
- Yellow (44%)
- Blue (44%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (56%)





















- Cyan (60%)
- Magenta (56%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 7.751, 141.504 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, 7.751, 141.504 by changing the saturation by 10% instead.

 46, 7.751, 141.504	 46, 7.751, 141.504
 100, 7.751, 141.504	 36, 7.751, 141.504
 66, 7.751, 141.504	 26, 7.751, 141.504
 76, 7.751, 141.504	 16, 7.751, 141.504
 86, 7.751, 141.504	 6, 7.751, 141.504
 96, 7.751, 141.504	 0, 7.751, 141.504

 46, 7.751, 141.504	 46, 7.751, 141.504
 45, 15.698, 140.924	 47, 0.129, 320.781
 44, 23.622,	 48, 7.886, 322.382

140.268

50, 15.476,
322.755

43, 31.411,
139.531

51, 22.873,
323.068

42, 38.913,
138.725

53, 30.062,
323.335

42, 45.936,
137.880

54, 37.037,
323.562

41, 52.237,
137.054

56, 43.798,
323.757

41, 57.527,
136.341

57, 50.349,
323.923

41, 61.509,
135.857

59, 56.697,
324.066

41, 64.532,
135.346

Harmonies

Complementary

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



46, 7.751, 141.504



44, 7.777, 322.408

Rectangle

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



46, 7.751, 141.504



46, 7.751, 191.504



46, 7.751, 321.504



46, 7.751, 11.504

Sweetspot

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



46, 7.752, 141.505



60, 2.914, 141.891



47, 5.856, 104.824



31, 2.229, 141.845



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 7.752, 141.505



59, 11.745, 141.367



46, 5.987, 157.958



23, 4.443, 141.551



43, 67.945, 135.385



85, 116.537, 135.699

Inverse Universe

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



44, 7.777, 322.408



55, 11.783, 322.527



44, 6.036, 339.296



22, 4.457, 322.367



26, 66.492, 324.830



55, 113.611, 324.640

Previews

White Background



This preview shows how the CIELCh color 46, 7.751, 141.504 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, 7.751, 141.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

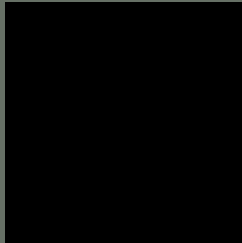
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

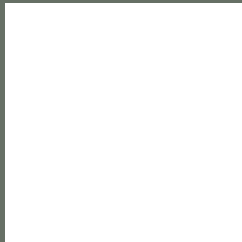
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 7.751, 141.504

Background



This preview shows how black text looks on a background with the CIELCh color 46, 7.751, 141.504.



This preview shows how white text looks on a background with the CIELCh color 46, 7.751, 141.504.

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, 7.751, 141.504

Protanopia

46, 5.729, 87.669

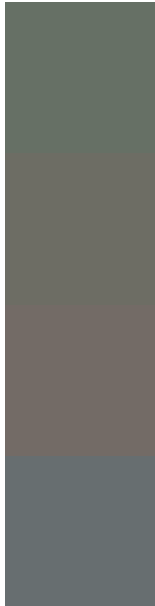
Deuteranopia

46, 7.458, 33.923



Tritanopia
46, 5.658, 270.718

Trichromacy



Original Color
46, 7.751, 141.504

Protanomaly
46, 5.327, 109.423

Deuteranomaly
46, 4.483, 60.920

Tritanomaly
46, 3.014, 222.488

Monochromacy



Original Color
46, 7.751, 141.504

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 2.901, 144.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 7.751, 141.504 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(102, 112, 101)` looks like.

```
.text, #text, p{  
    color:rgb(102, 112, 101)  
}
```

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(102, 112, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 112, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 7.751, 141.504 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(102, 112, 101) }
```

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

```
.border{ border-color:rgb(102, 112, 101) }
```

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

Here you see how a box with a 4 pixel rgb(102, 112, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 112, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 112, 101);  
box-shadow:4px 4px 4px 4px rgb(102, 112,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 7.751, 141.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 112, 101) }
```

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

```
.background{ background-color: rgb(102,  
112, 101) }
```

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