

Converting Colors

CIELCh(46, 3.538, 330.748)

Have a look what the booklet for
CIELCh(46, 3.538, 330.748) contains.

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Color

CIELCh(46, 3.870, 329.643)

Conversions

Conversions Part 1

Format	Color
Hex	716B70
RGB	113, 107, 112
RGB Percent	44%, 42%, 44%
CMY	0.5559, 0.5794, 0.5598
CMYK	0.00, 0.05, 0.01, 0.56
HSL	310°, 3%, 43%
HSV	310°, 5%, 44%
XYZ	15.0633, 15.2687, 17.5543
YIQ	109.3640, 1.9710, 2.8270

Conversions

Conversions Part 2

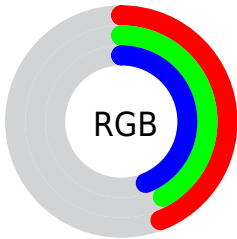
Format	Color
R _Y B	113, 107, 112
Decimal	7433072
CIE Lab	46.00, 3.34, -1.96
CIE LCh	46, 3.870, 329.643
Yxy	15.2687, 0.3146, 0.3189
Android (android.graphics.Color)	4285623152 (0xFF716B70)
YUV	109.3640, 1.2995, 3.1888
Hunter-Lab	39.0751, 0.4293, 0.7168

Details

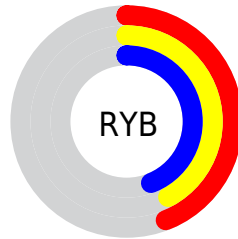
The CIELCh color $46, 3.870, 329.643$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 3.855, 149.136$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 4.285, 328.798$, and $26, 3.467, 330.905$ is the 20% darker color. If you saturate the color by 10%, you get $43, 11.233, 330.260$, and if you desaturate by 10%, it is $49, 3.390, 149.192$.

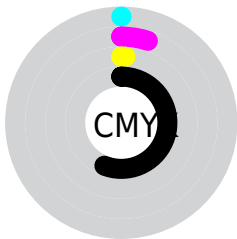
Distribution



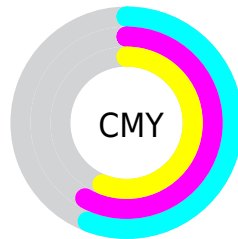
- Red (44%)
- Green (42%)
- Blue (44%)



- Red (44%)
- Yellow (42%)
- Blue (44%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (56%)



- Cyan (56%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.870, 329.643 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, 3.870, 329.643 by changing the saturation by 10% instead.

■ 46, 3.870, 329.643

■ 46, 3.870, 329.643

■ 100, 3.870,
329.643

■ 36, 3.870, 329.643

■ 66, 3.870, 329.643

■ 26, 3.870, 329.643

■ 76, 3.870, 329.643

■ 16, 3.870, 329.643

■ 86, 3.870, 329.643

■ 6, 3.870, 329.643

■ 96, 3.870, 329.643

■ 0, 3.870, 329.643

■ 46, 3.870, 329.643

■ 46, 3.870, 329.643

■ 43, 11.233,
330.260

■ 49, 3.390, 149.192

■ 40, 18.621,

■ 53, 10.492,
148.612

330.865

56, 17.409,
148.088

37, 25.911,
331.479

59, 24.128,
147.593

34, 32.927,
332.102

63, 30.648,
147.123

31, 39.441,
332.733

66, 36.972,
146.680

29, 45.177,
333.375

70, 43.108,
146.261

27, 49.840,
334.034

73, 49.065,
145.866

26, 53.177,
334.723

77, 54.856,
145.493

25, 55.192,
335.457

Harmonies

Complementary

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



46, 3.870, 329.643



47, 3.855, 149.136

Rectangle

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



46, 3.870, 329.643



46, 3.870, 19.643



46, 3.870, 149.643



46, 3.870, 199.643

Sweetspot

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



46, 3.869, 329.645



60, 1.816, 329.379



46, 3.605, 297.074



31, 1.026, 329.359



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, 3.869, 329.645



59, 5.454, 329.701



46, 2.748, 354.041



22, 2.854, 329.710



26, 58.331, 335.852



56, 98.926, 336.372

Inverse Universe

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



46, 3.869, 329.645



59, 5.454, 329.701



47, 2.708, 173.351



22, 2.854, 329.710



26, 58.331, 335.852



56, 98.926, 336.372

Previews

White Background



This preview shows how the CIELCh color 46, 3.870, 329.643 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, 3.870, 329.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

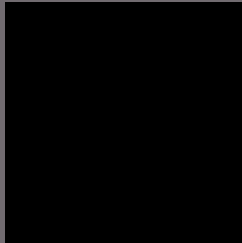
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 3.870, 329.643

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.870, 329.643.



This preview shows how white text looks on a background with the CIELCh color 46, 3.870, 329.643.

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, 3.870, 329.643

Protanopia

46, 3.095, 305.689

Deuteranopia

46, 6.450, 340.126



Tritanopia
46, 5.561, 321.289

Trichromacy



Original Color

46, 3.870, 329.643

Protanomaly

46, 3.228, 312.626

Deuteranomaly

46, 5.849, 334.805

Tritanomaly

46, 5.062, 324.727

Monochromacy



Original Color

46, 3.870, 329.643

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 1.452, 324.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.870, 329.643 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(113, 107, 112)` looks like.

```
.text, #text, p{  
    color:rgb(113, 107, 112)  
}
```

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(113, 107, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 107, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.870, 329.643 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(113, 107, 112) }
```

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

```
.border{ border-color:rgb(113, 107, 112) }
```

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

Here you see how a box with a 4 pixel rgb(113, 107, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 107, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 107, 112);  
box-shadow:4px 4px 4px 4px rgb(113, 107,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.870, 329.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 107, 112) }
```

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

```
.background{ background-color: rgb(113,  
107, 112) }
```

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](#).

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