

Converting Colors

CIELCh(46, 7.163, 231.809)

Have a look what the booklet for
CIELCh(46, 7.163, 231.809) contains.

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Color

CIELCh(46, 7.013, 229.499)

Conversions

Conversions Part 1

Format	Color
Hex	607076
RGB	96, 112, 118
RGB Percent	38%, 44%, 46%
CMY	0.6250, 0.5623, 0.5388
CMYK	0.19, 0.05, 0.00, 0.54
HSL	196°, 10%, 42%
HSV	196°, 19%, 46%
XYZ	13.7830, 15.2687, 19.2392
YIQ	107.9000, -11.4620, -1.5260

Conversions

Conversions Part 2

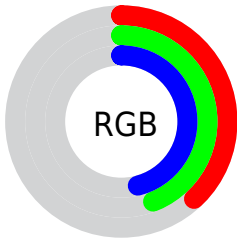
Format	Color
R_{YB}	96, 105, 118
Decimal	6320246
CIE Lab	46.00, -4.55, -5.33
CIE LCh	46, 7.013, 229.499
Yxy	15.2687, 0.2854, 0.3162
Android (android.graphics.Color)	4284510326 (0xFF607076)
YUV	107.9000, 4.9793, -10.4363
Hunter-Lab	39.0751, -5.4192, -1.8397

Details

The CIELCh color **46, 7.013, 229.499** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 7.800, 47.242**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 6.953, 227.616**, and **26, 7.144, 232.143** is the 20% darker color. If you saturate the color by 10%, you get **44, 10.478, 230.435**, and if you desaturate by 10%, it is **48, 3.337, 228.795**.

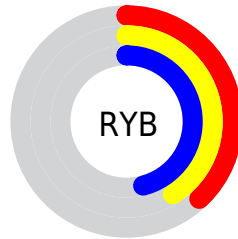
Distribution



Red (38%)

Green (44%)

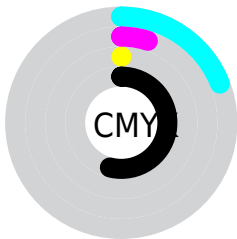
Blue (46%)



Red (38%)

Yellow (41%)

Blue (46%)

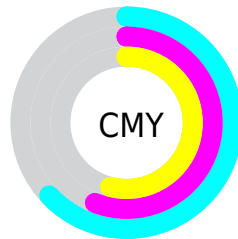


Cyan (19%)

Magenta (5%)

Yellow (0%)

Black (54%)



Cyan (63%)

Magenta (56%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 7.013, 229.499 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, 7.013, 229.499 by changing the saturation by 10% instead.

■ 46, 7.013, 229.499

■ 46, 7.013, 229.499

■ 100, 7.013,
229.499

■ 36, 7.013, 229.499

■ 66, 7.013, 229.499

■ 26, 7.013, 229.499

■ 76, 7.013, 229.499

■ 16, 7.013, 229.499

■ 86, 7.013, 229.499

■ 6, 7.013, 229.499

■ 96, 7.013, 229.499

■ 0, 7.013, 229.499

■ 46, 7.013, 229.499

■ 46, 7.013, 229.499

■ 44, 10.478,
230.435

■ 48, 3.337, 228.795

■ 42, 13.687,

■ 50, 0.508, 47.415

231.654

52, 4.484, 47.580

41, 16.595,
233.205

54, 8.559, 47.273

39, 19.162,
235.160

56, 12.707, 47.025

38, 21.362,
237.601

58, 16.906, 46.836

36, 23.194,
240.604

62, 25.386, 46.595

35, 24.689,
244.228

64, 29.640, 46.524

34, 26.014,
248.222

34, 26.195,
248.720

Harmonies

Complementary

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



46, 7.013, 229.499



44, 7.800, 47.242

Rectangle

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



46, 7.013, 229.499



46, 7.013, 279.499



46, 7.013, 49.499



46, 7.013, 99.499

Sweetspot

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



46, 7.013, 229.490



62, 2.872, 228.675



47, 13.137, 151.697



32, 1.892, 228.694



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 7.013, 229.490



58, 10.136, 229.825



43, 10.295, 280.669



24, 2.154, 228.813



35, 26.992, 248.942



70, 46.651, 251.848

Inverse Universe

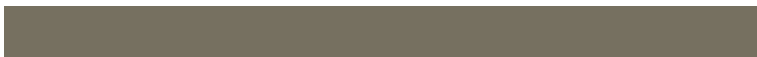
The Inverse Universe completely reimagines the original color for something new.



43, 13.162, 334.394



54, 19.238, 334.662



47, 10.145, 96.218



23, 3.931, 333.738



26, 54.943, 342.256



56, 92.236, 343.274

Previews

White Background



This preview shows how the CIELCh color 46, 7.013, 229.499 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, 7.013, 229.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

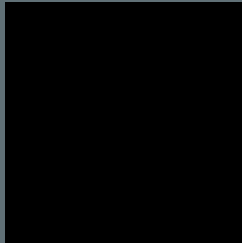
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

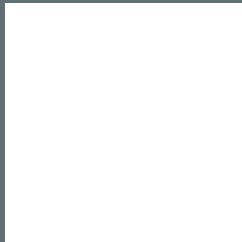
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 7.013, 229.499

Background



This preview shows how black text looks on a background with the CIELCh color 46, 7.013, 229.499.



This preview shows how white text looks on a background with the CIELCh color 46, 7.013, 229.499.

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, 7.013, 229.499

Protanopia

46, 4.192, 296.228

Deuteranopia

46, 8.566, 315.910



Tritanopia
46, 7.710, 243.082

Trichromacy



Original Color

46, 7.013, 229.499

Protanomaly

46, 4.569, 265.235

Deuteranomaly

46, 5.950, 291.006

Tritanomaly

46, 7.343, 239.463

Monochromacy



Original Color

46, 7.013, 229.499

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 2.661, 225.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 7.013, 229.499 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(96, 112, 118)` looks like.

```
.text, #text, p{  
    color:rgb(96, 112, 118)  
}
```

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(96, 112, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 112, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 7.013, 229.499 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(96, 112, 118) }
```

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

```
.border{ border-color:rgb(96, 112, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 112, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 112, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 112, 118);  
box-shadow:4px 4px 4px 4px rgb(96, 112,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 7.013, 229.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 112, 118) }
```

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

```
.background{ background-color: rgb(96, 112,  
118) }
```

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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