

Converting Colors

CIELCh(46, 9.114, 229.200)

Have a look what the booklet for
CIELCh(46, 9.114, 229.200) contains.

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Color

CIELCh(46, 9.083, 230.415)

Conversions

Conversions Part 1

Format	Color
Hex	5B7078
RGB	91, 112, 120
RGB Percent	36%, 44%, 47%
CMY	0.6418, 0.5594, 0.5281
CMYK	0.24, 0.07, 0.00, 0.53
HSL	197°, 14%, 42%
HSV	197°, 24%, 47%
XYZ	13.5898, 15.2687, 20.1096
YIQ	106.6330, -15.0840, -1.9640

Conversions

Conversions Part 2

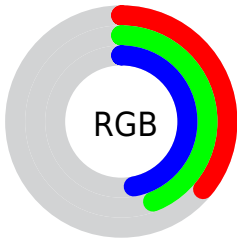
Format	Color
R_{YB}	91, 103, 120
Decimal	5992568
CIE Lab	46.00, -5.79, -7.00
CIE LCh	46, 9.083, 230.415
Yxy	15.2687, 0.2775, 0.3118
Android (android.graphics.Color)	4284182648 (0xFF5B7078)
YUV	106.6330, 6.5899, -13.7101
Hunter-Lab	39.0751, -6.3018, -3.1603

Details

The CIELCh color $46, 9.083, 230.415$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 10.453, 47.396$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 8.952, 228.657$, and $26, 9.243, 233.200$ is the 20% darker color. If you saturate the color by 10%, you get $44, 12.479, 231.518$, and if you desaturate by 10%, it is $48, 5.449, 229.556$.

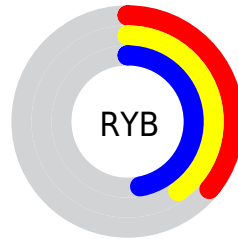
Distribution



Red (36%)

Green (44%)

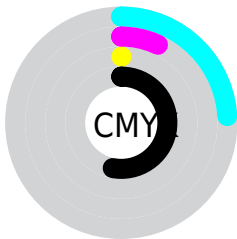
Blue (47%)



Red (36%)

Yellow (40%)

Blue (47%)

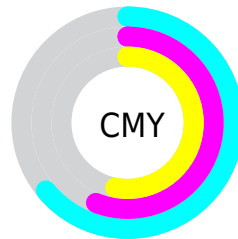


Cyan (24%)

Magenta (7%)

Yellow (0%)

Black (53%)



Cyan (64%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 9.083, 230.415 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, 9.083, 230.415 by changing the saturation by 10% instead.

■ 46, 9.083, 230.415

■ 46, 9.083, 230.415

■ 100, 9.083,
230.415

■ 36, 9.083, 230.415

■ 66, 9.083, 230.415

■ 26, 9.083, 230.415

■ 76, 9.083, 230.415

■ 16, 9.083, 230.415

■ 86, 9.083, 230.415

■ 6, 9.083, 230.415

■ 96, 9.083, 230.415

■ 0, 9.083, 230.415

■ 46, 9.083, 230.415

■ 46, 9.083, 230.415

■ 44, 12.479,
231.518

■ 48, 5.449, 229.556

■ 42, 15.590,

■ 50, 1.621, 229.026

232.936

52, 2.360, 48.124

41, 18.373,
234.729

54, 6.458, 47.809

39, 20.795,
236.976

56, 10.644, 47.515

38, 22.842,
239.757

58, 14.892, 47.285

36, 24.530,
243.142

60, 19.182, 47.111

62, 23.497, 46.981

35, 25.928,
247.135

64, 27.825, 46.887

34, 26.755,
249.476

Harmonies

Complementary

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



46, 9.083, 230.415



44, 10.453, 47.396

Rectangle

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



46, 9.083, 230.415



46, 9.083, 280.415



46, 9.083, 50.415



46, 9.083, 100.415

Sweetspot

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



46, 9.083, 230.408



63, 3.386, 229.125



48, 17.273, 151.249



33, 2.216, 229.145



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 9.083, 230.408



57, 13.269, 230.995



42, 13.622, 281.479



25, 2.230, 229.226



36, 27.522, 249.683



70, 47.239, 252.521

Inverse Universe

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



42, 17.286, 334.905



52, 25.661, 335.307



48, 13.364, 95.584



24, 4.065, 333.870



27, 55.623, 342.510



56, 92.736, 343.519

Previews

White Background



This preview shows how the CIELCh color 46, 9.083, 230.415 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, 9.083, 230.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

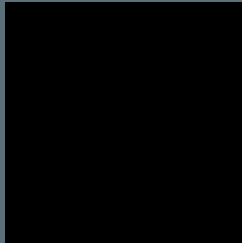
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 9.083, 230.415

Background



This preview shows how black text looks on a background with the CIELCh color 46, 9.083, 230.415.



This preview shows how white text looks on a background with the CIELCh color 46, 9.083, 230.415.

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, 9.083, 230.415

Protanopia

46, 5.950, 291.006

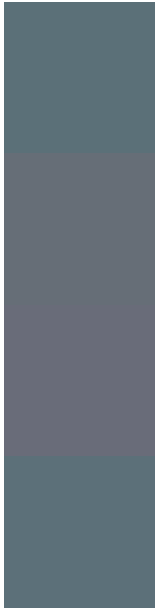
Deuteranopia

46, 9.956, 307.461



Tritanopia
46, 9.076, 235.034

Trichromacy



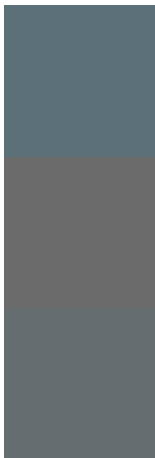
Original Color
46, 9.083, 230.415

Protanomaly
46, 6.117, 260.442

Deuteranomaly
46, 7.799, 282.689

Tritanomaly
46, 9.076, 235.034

Monochromacy



Original Color
46, 9.083, 230.415

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.613, 228.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 9.083, 230.415 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(91, 112, 120)` looks like.

```
.text, #text, p{  
    color:rgb(91, 112, 120)  
}
```

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(91, 112, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 112, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 9.083, 230.415 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(91, 112, 120) }
```

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

```
.border{ border-color:rgb(91, 112, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 112, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 112, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 112, 120); box-shadow:4px 4px 4px 4px rgb(91, 112, 120) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 9.083, 230.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 112, 120) }
```

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

```
.background{ background-color: rgb(91, 112,  
120) }
```

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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