

Converting Colors

CIELCh(46, 11.399, 226.596)

Have a look what the booklet for
CIELCh(46, 11.399, 226.596)
contains.

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Color

CIELCh(46, 11.399, 226.601)

Conversions

Conversions Part 1

Format	Color
Hex	55717A
RGB	85, 113, 122
RGB Percent	33%, 44%, 48%
CMY	0.6651, 0.5552, 0.5199
CMYK	0.30, 0.07, 0.00, 0.52
HSL	195°, 18%, 41%
HSV	195°, 30%, 48%
XYZ	13.2735, 15.2687, 20.7964
YIQ	105.6540, -19.5770, -3.1370

Conversions

Conversions Part 2

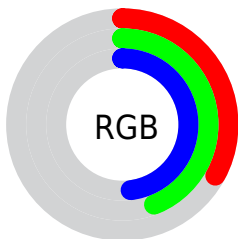
Format	Color
R_{YB}	85, 101, 122
Decimal	5599610
CIE _{Lab}	46.00, -7.83, -8.28
CIE _{LCh}	46, 11.399, 226.601
Yxy	15.2687, 0.2690, 0.3095
Android (android.graphics.Color)	4283789690 (0xFF55717A)
YUV	105.6540, 8.0586, -18.1136
Hunter-Lab	39.0751, -7.7465, -4.2025

Details

The CIELCh color $46, 11.399, 226.601$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $43, 13.792, 43.685$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 11.256, 225.095$, and $26, 11.205, 226.147$ is the 20% darker color. If you saturate the color by 10%, you get $44, 14.644, 227.684$, and if you desaturate by 10%, it is $48, 7.859, 225.770$.

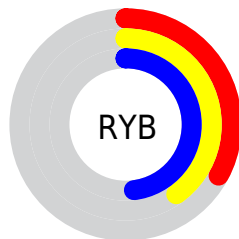
Distribution



Red (33%)

Green (44%)

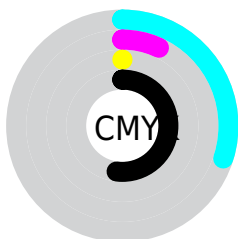
Blue (48%)



Red (33%)

Yellow (40%)

Blue (48%)

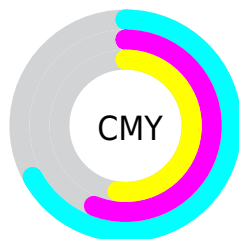


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (67%)


Magenta (56%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.399, 226.601 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, 11.399, 226.601 by changing the saturation by 10% instead.


 46, 11.399,
226.601


 46, 11.399,
226.601


 100, 11.399,
226.601


 36, 11.399,
226.601

 66, 11.399,
226.601


 26, 11.399,
226.601

 76, 11.399,
226.601

 16, 11.399,
226.601


 86, 11.399,
226.601

 6, 11.399, 226.601

 96, 11.399,
226.601

 0, 11.399, 226.601

 46, 11.399,

 46, 11.399,

226.601

226.601

■ 44, 14.644,
227.684

■ 48, 7.859, 225.770

■ 43, 17.544,
229.092

■ 50, 4.076, 225.177

■ 51, 0.098, 228.399

■ 41, 20.053,
230.891

■ 53, 4.034, 44.167

■ 40, 22.143,
233.161

■ 55, 8.280, 43.962

■ 57, 12.612, 43.804

■ 39, 23.810,
235.981

■ 59, 17.004, 43.699

■ 37, 25.088,
239.415

■ 61, 21.435, 43.637

■ 63, 25.888, 43.610

■ 36, 26.170,
243.068

Harmonies

Complementary

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



46, 11.399, 226.601



43, 13.792, 43.685

Rectangle

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



46, 11.399, 226.601



46, 11.399, 276.601



46, 11.399, 46.601



46, 11.399, 96.601

Sweetspot

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



46, 11.399, 226.596



63, 4.429, 225.131



48, 22.507, 149.499



32, 3.052, 225.185



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, 11.399, 226.596



57, 16.358, 227.284



41, 16.771, 280.348



25, 2.249, 225.125



37, 26.569, 243.172



72, 45.302, 245.822

Inverse Universe

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



41, 22.488, 334.033



50, 32.919, 334.500



48, 16.513, 92.529



24, 4.161, 332.613



27, 56.860, 340.386



57, 94.863, 341.222

Previews

White Background



This preview shows how the CIELCh color 46, 11.399, 226.601 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 CIELCh color 46, 11.399, 226.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

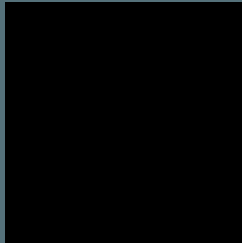
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

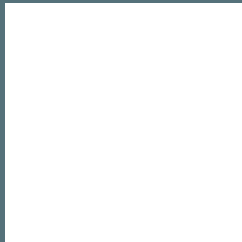
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 11.399, 226.601

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.399, 226.601.



This preview shows how white text looks on a background with the CIELCh color 46, 11.399, 226.601.

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, 11.399, 226.601

Protanopia

46, 6.545, 291.087

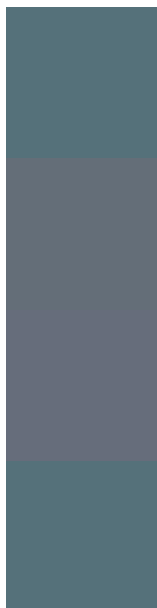
Deuteranopia

46, 11.009, 303.848



Tritanopia
46, 11.399, 226.601

Trichromacy



Original Color
46, 11.399, 226.601

Protanomaly
46, 6.993, 257.643

Deuteranomaly
46, 8.678, 273.396

Tritanomaly
46, 11.399, 226.601

Monochromacy



Original Color
46, 11.399, 226.601

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.303, 223.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.399, 226.601 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(85, 113, 122)` looks like.

```
.text, #text, p{  
    color:rgb(85, 113, 122)  
}
```

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(85, 113, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 113, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.399, 226.601 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(85, 113, 122) }
```

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

```
.border{ border-color:rgb(85, 113, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 113, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 113, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 113, 122);  
box-shadow:4px 4px 4px 4px rgb(85, 113,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.399, 226.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 113, 122) }
```

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

```
.background{ background-color: rgb(85, 113,  
122) }
```

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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