

Converting Colors

CIELCh(46, 11.536, 234.583)

Have a look what the booklet for
CIELCh(46, 11.536, 234.583)
contains.

CIELCh(46, 11.338, 233.972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 11.338, 233.972)

Conversions

Conversions Part 1

Format	Color
Hex	57717C
RGB	87, 113, 124
RGB Percent	34%, 44%, 49%
CMY	0.6591, 0.5572, 0.5140
CMYK	0.30, 0.09, 0.00, 0.51
HSL	198°, 18%, 41%
HSV	198°, 30%, 49%
XYZ	13.4529, 15.2687, 21.2806
YIQ	106.4800, -19.0270, -2.0910

Conversions

Conversions Part 2

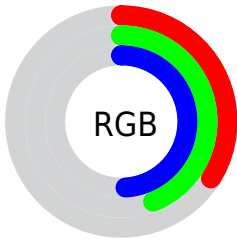
Format	Color
R_{YB}	87, 102, 124
Decimal	5730684
CIE Lab	46.00, -6.67, -9.17
CIE LCh	46, 11.338, 233.972
Yxy	15.2687, 0.2690, 0.3054
Android (android.graphics.Color)	4283920764 (0xFF57717C)
YUV	106.4800, 8.6374, -17.0840
Hunter-Lab	39.0751, -6.9272, -4.9372

Details

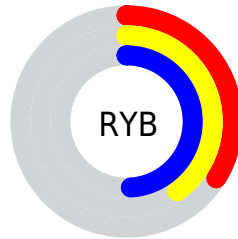
The CIELCh color **46, 11.338, 233.972** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 13.470, 49.536**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 11.417, 234.544**, and **26, 11.184, 234.344** is the 20% darker color. If you saturate the color by 10%, you get **44, 14.682, 235.380**, and if you desaturate by 10%, it is **48, 7.737, 232.854**.

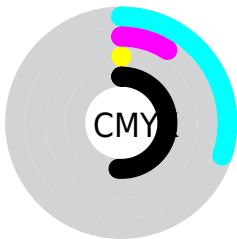
Distribution



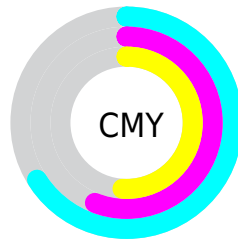
- Red (34%)
- Green (44%)
- Blue (49%)



- Red (34%)
- Yellow (40%)
- Blue (49%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (51%)





- Cyan (66%)
- Magenta (56%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.338, 233.972 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, 11.338, 233.972 by changing the saturation by 10% instead.


 46, 11.338,
233.972


 46, 11.338,
233.972


 100, 11.338,
233.972


 36, 11.338,
233.972

 66, 11.338,
233.972


 26, 11.338,
233.972

 76, 11.338,
233.972

 16, 11.338,
233.972


 86, 11.338,
233.972

 6, 11.338, 233.972

 96, 11.338,
233.972

 0, 11.338, 233.972

 46, 11.338,

 46, 11.338,

233.972

233.972

■ 44, 14.682,
235.380

■ 48, 7.737, 232.854

■ 42, 17.727,
237.156

■ 50, 3.926, 232.004

■ 52, 0.056, 44.872

■ 41, 20.438,
239.372

■ 54, 4.170, 50.558

■ 39, 22.794,
242.109

■ 56, 8.384, 50.157

■ 58, 12.671, 49.821

■ 37, 24.805,
245.439

■ 61, 17.009, 49.551

■ 36, 26.516,
249.402

■ 63, 21.379, 49.337

■ 65, 25.766, 49.167

■ 35, 28.121,
253.650

■ 35, 28.145,
253.709

Harmonies

Complementary

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



46, 11.338, 233.972



44, 13.470, 49.536

Rectangle

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



46, 11.338, 233.972



46, 11.338, 283.972



46, 11.338, 53.972



46, 11.338, 103.972

Sweetspot

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



46, 11.338, 233.967



64, 4.439, 231.959



49, 21.620, 151.358



33, 3.101, 232.046



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 11.338, 233.967



57, 16.558, 234.922



41, 17.766, 283.430



25, 2.225, 231.949



35, 28.323, 253.755



69, 48.827, 256.671

Inverse Universe

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



42, 21.612, 336.225



51, 32.150, 336.768



49, 17.260, 95.999



24, 4.003, 334.728



27, 54.860, 343.975



56, 91.436, 345.105

Previews

White Background



This preview shows how the CIELCh color 46, 11.338, 233.972 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, 11.338, 233.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

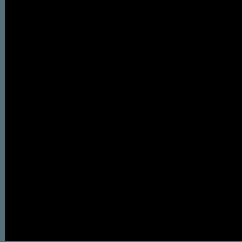
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

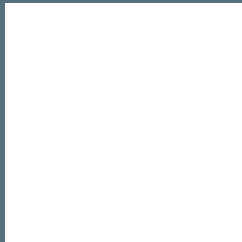
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 11.338, 233.972

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.338, 233.972.



This preview shows how white text looks on a background with the CIELCh color 46, 11.338, 233.972.

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, 11.338, 233.972

Protanopia

46, 7.736, 288.369

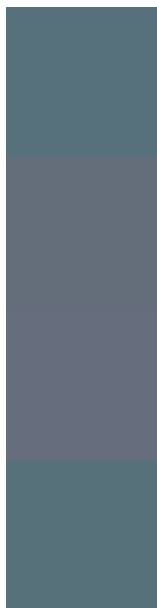
Deuteranopia

46, 11.516, 301.366



Tritanopia
46, 10.811, 228.334

Trichromacy



Original Color
46, 11.338, 233.972

Protanomaly
46, 7.995, 262.655

Deuteranomaly
46, 9.808, 275.806

Tritanomaly
46, 11.062, 231.218

Monochromacy



Original Color
46, 11.338, 233.972

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.557, 230.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.338, 233.972 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(87, 113, 124)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 124)  
}
```

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(87, 113, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.338, 233.972 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(87, 113, 124) }
```

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

```
.border{ border-color:rgb(87, 113, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 113, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 124);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.338, 233.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 124) }
```

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

```
.background{ background-color: rgb(87, 113,  
124) }
```

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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