

Converting Colors

CIELCh(46, 11.699, 216.485)

Have a look what the booklet for
CIELCh(46, 11.699, 216.485)
contains.

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Color

CIELCh(46, 11.813, 215.928)

Conversions

Conversions Part 1

Format	Color
Hex	537278
RGB	83, 114, 120
RGB Percent	33%, 45%, 47%
CMY	0.6740, 0.5524, 0.5289
CMYK	0.31, 0.05, 0.00, 0.53
HSL	190°, 18%, 40%
HSV	190°, 31%, 47%
XYZ	13.0092, 15.2687, 20.0733
YIQ	105.4150, -20.4020, -4.7060

Conversions

Conversions Part 2

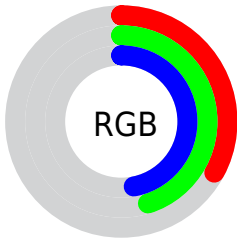
Format	Color
R_{YB}	83, 100, 120
Decimal	5468792
CIE _{Lab}	46.00, -9.57, -6.93
CIE _{LCh}	46, 11.813, 215.928
Yxy	15.2687, 0.2691, 0.3158
Android (android.graphics.Color)	4283658872 (0xFF537278)
YUV	105.4150, 7.1904, -19.6580
Hunter-Lab	39.0751, -8.9541, -3.1052

Details

The CIELCh color **46, 11.813, 215.928** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 14.532, 35.489**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 11.708, 215.109**, and **26, 11.721, 217.526** is the 20% darker color. If you saturate the color by 10%, you get **45, 15.038, 216.470**, and if you desaturate by 10%, it is **47, 8.249, 215.566**.

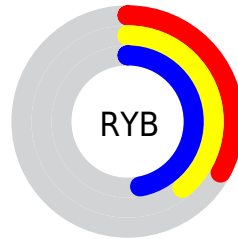
Distribution



Red (33%)

Green (45%)

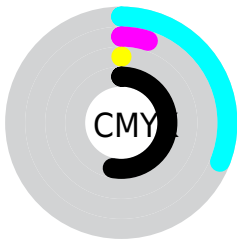
Blue (47%)



Red (33%)

Yellow (39%)

Blue (47%)

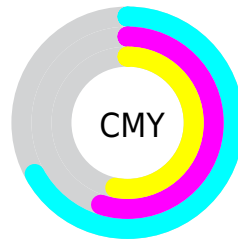


Cyan (31%)

Magenta (5%)

Yellow (0%)

Black (53%)



Cyan (67%)


Magenta (55%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.813, 215.928 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, 11.813, 215.928 by changing the saturation by 10% instead.


 46, 11.813,
215.928


 46, 11.813,
215.928


 100, 11.813,
215.928


 36, 11.813,
215.928

 66, 11.813,
215.928


 26, 11.813,
215.928

 76, 11.813,
215.928

 16, 11.813,
215.928

 86, 11.813,
215.928

 6, 11.813, 215.928

 96, 11.813,
215.928

 0, 11.813, 215.928

 46, 11.813,

 46, 11.813,

215.928

■ 45, 15.038,
216.470

■ 44, 17.863,
217.245

■ 42, 20.236,
218.299

■ 41, 22.116,
219.689

■ 40, 23.488,
221.476

■ 40, 24.369,
223.721

■ 39, 24.961,
226.003

215.928

■ 47, 8.249, 215.566

■ 49, 4.404, 215.380

■ 50, 0.336, 216.312

■ 52, 3.908, 35.065

■ 54, 8.282, 35.165

■ 55, 12.753, 35.283

■ 57, 17.289, 35.433

■ 59, 21.868, 35.609

■ 61, 26.469, 35.805

Harmonies

Complementary

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



46, 11.813, 215.928



41, 14.532, 35.489

Rectangle

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



46, 11.813, 215.928



46, 11.813, 265.928



46, 11.813, 35.928



46, 11.813, 85.928

Sweetspot

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



46, 11.813, 215.923



62, 4.552, 215.370



47, 23.999, 146.678



32, 3.178, 215.377



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, 11.813, 215.923



58, 17.056, 216.290



41, 15.202, 274.331



25, 2.342, 215.370



40, 25.674, 226.140



78, 43.209, 227.972

Inverse Universe

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



40, 23.855, 331.052



49, 35.265, 331.490



46, 15.397, 85.961



24, 4.407, 329.733



28, 60.275, 335.641



58, 100.814, 336.115

Previews

White Background



This preview shows how the CIELCh color 46, 11.813, 215.928 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, 11.813, 215.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

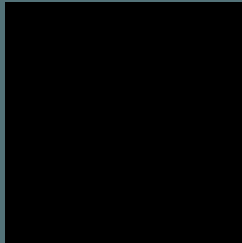
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 11.813, 215.928

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.813, 215.928.



This preview shows how white text looks on a background with the CIELCh color 46, 11.813, 215.928.

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, 11.813, 215.928

Protanopia

46, 4.761, 290.845

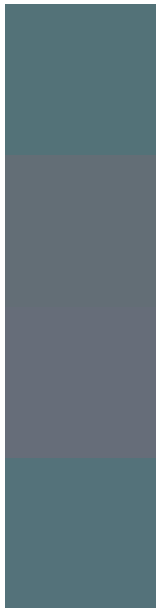
Deuteranopia

46, 9.956, 307.461



Tritanopia
46, 11.978, 225.033

Trichromacy



Original Color
46, 11.813, 215.928

Protanomaly
46, 6.297, 248.361

Deuteranomaly
46, 7.566, 270.318

Tritanomaly
46, 11.790, 222.253

Monochromacy



Original Color
46, 11.813, 215.928

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.490, 214.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.813, 215.928 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(83, 114, 120)` looks like.

```
.text, #text, p{  
    color:rgb(83, 114, 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(83, 114, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 114, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.813, 215.928 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(83, 114, 120) }
```

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

```
.border{ border-color:rgb(83, 114, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 114, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 114, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 114, 120);  
box-shadow:4px 4px 4px 4px rgb(83, 114,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.813, 215.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 114, 120) }
```

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

```
.background{ background-color: rgb(83, 114,  
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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