

Converting Colors

CIELCh(46, 18.082, 215.118)

Have a look what the booklet for
CIELCh(46, 18.082, 215.118)
contains.

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Color

CIELCh(46, 18.047, 215.040)

Conversions

Conversions Part 1

Format	Color
Hex	41757E
RGB	65, 117, 126
RGB Percent	25%, 46%, 49%
CMY	0.7462, 0.5423, 0.5070
CMYK	0.49, 0.07, 0.00, 0.51
HSL	189°, 32%, 37%
HSV	189°, 49%, 49%
XYZ	12.2358, 15.2687, 21.9432
YIQ	102.4780, -33.8810, -8.2250

Conversions

Conversions Part 2

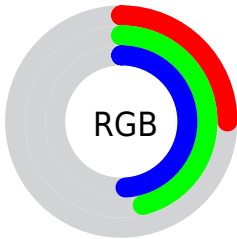
Format	Color
R _Y B	65, 93, 126
Decimal	4289918
CIE Lab	46.00, -14.78, -10.36
CIE LCh	46, 18.047, 215.040
Yxy	15.2687, 0.2475, 0.3088
Android (android.graphics.Color)	4282479998 (0xFF41757E)
YUV	102.4780, 11.5963, -32.8682
Hunter-Lab	39.0751, -12.4867, -5.9425

Details

The CIELCh color **46, 18.047, 215.040** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 25.749, 35.172**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 18.061, 216.065**, and **26, 18.152, 213.830** is the 20% darker color. If you saturate the color by 10%, you get **45, 20.617, 215.900**, and if you desaturate by 10%, it is **47, 15.005, 214.424**.

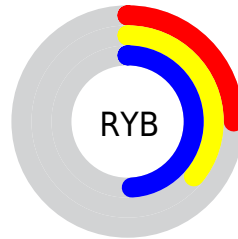
Distribution



Red (25%)

Green (46%)

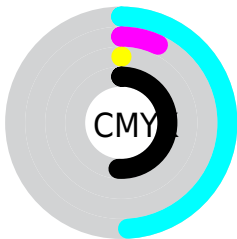
Blue (49%)



Red (25%)

Yellow (36%)

Blue (49%)

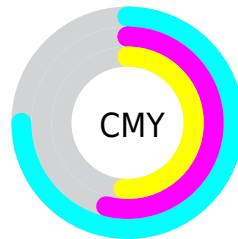


Cyan (49%)

Magenta (7%)

Yellow (0%)

Black (51%)



Cyan (75%)


Magenta (54%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.047, 215.040 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, 18.047, 215.040 by changing the saturation by 10% instead.


 46, 18.047,
215.040


 46, 18.047,
215.040


 100, 18.047,
215.040


 36, 18.047,
215.040

 66, 18.047,
215.040


 26, 18.047,
215.040

 76, 18.047,
215.040

 16, 18.047,
215.040


 86, 18.047,
215.040

 6, 18.047, 215.040

 96, 18.047,
215.040

 0, 18.047, 215.040

 46, 18.047,

 46, 18.047,

215.040

215.040

■ 45, 20.617,
215.900

■ 47, 15.005,
214.424

■ 44, 22.669,
217.061

■ 49, 11.552,
214.014

■ 43, 24.180,
218.578

■ 50, 7.750, 213.775

■ 42, 25.158,
220.506

■ 51, 3.664, 213.705

■ 53, 0.647, 32.966

■ 41, 25.761,
222.769

■ 55, 5.133, 33.551

■ 41, 25.850,
223.099

■ 56, 9.748, 33.703

■ 58, 14.456, 33.877

■ 60, 19.226, 34.080

Harmonies

Complementary

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



46, 18.047, 215.040



37, 25.749, 35.172

Rectangle

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



46, 18.047, 215.040



46, 18.047, 265.040



46, 18.047, 35.040



46, 18.047, 85.040

Sweetspot

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



46, 18.047, 215.038



64, 7.840, 213.732



48, 39.202, 144.385



33, 5.296, 213.753



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, 18.047, 215.038



58, 25.168, 215.986



37, 24.604, 276.791



26, 2.447, 213.703



42, 26.113, 223.142



0, 0.000, 0.000

Inverse Universe

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



37, 38.703, 331.631



44, 55.801, 332.291



45, 25.301, 82.158



25, 4.608, 329.252



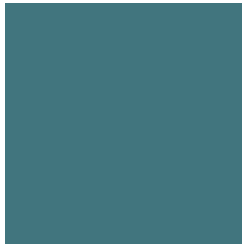
29, 61.815, 334.879



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 46, 18.047, 215.040 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, 18.047, 215.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

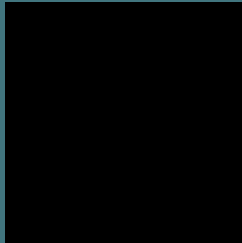
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 18.047, 215.040

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.047, 215.040.

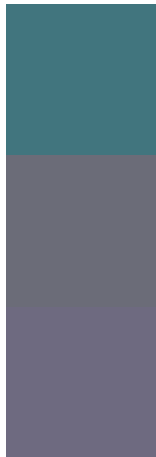


This preview shows how white text looks on a background with the CIELCh color 46, 18.047, 215.040.

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, 18.047, 215.040

Protanopia

46, 7.143, 288.037

Deuteranopia

46, 13.224, 298.577



Tritanopia
46, 18.047, 215.040

Trichromacy



Original Color
46, 18.047, 215.040

Protanomaly
46, 9.496, 242.625

Deuteranomaly
46, 11.529, 260.818

Tritanomaly
46, 18.047, 215.040

Monochromacy



Original Color
46, 18.047, 215.040

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.650, 216.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.047, 215.040 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(65, 117, 126)` looks like.

```
.text, #text, p{  
    color:rgb(65, 117, 126)  
}
```

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(65, 117, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 117, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.047, 215.040 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(65, 117, 126) }
```

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

```
.border{ border-color:rgb(65, 117, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 117, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 117, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 117, 126);  
box-shadow:4px 4px 4px 4px rgb(65, 117,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.047, 215.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 117, 126) }
```

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

```
.background{ background-color: rgb(65, 117,  
126) }
```

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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