

Converting Colors

CIELCh(46, 18.520, 197.410)

Have a look what the booklet for
CIELCh(46, 18.520, 197.410)
contains.

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Color

CIELCh(46, 18.725, 197.383)

Conversions

Conversions Part 1

Format	Color
Hex	407676
RGB	64, 118, 118
RGB Percent	25%, 46%, 46%
CMY	0.7502, 0.5384, 0.5384
CMYK	0.46, 0.00, 0.00, 0.54
HSL	180°, 30%, 36%
HSV	180°, 46%, 46%
XYZ	11.7915, 15.2687, 19.3741
YIQ	101.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

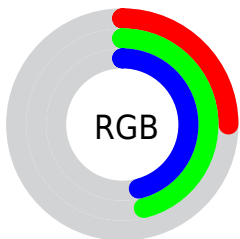
Format	Color
RYB	64, 91, 118
Decimal	4224630
CIELab	46.00, -17.87, -5.59
CIElCh	46, 18.725, 197.383
Yxy	15.2687, 0.2539, 0.3288
Android (android.graphics.Color)	4282414710 (0xFF407676)
YUV	101.8540, 7.9600, -33.1980
Hunter-Lab	39.0751, -14.5165, -2.0443

Details

The CIELCh color **46, 18.725, 197.383** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 25.618, 23.932**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 18.519, 197.870**, and **26, 18.501, 198.616** is the 20% darker color. If you saturate the color by 10%, you get **46, 21.663, 197.071**, and if you desaturate by 10%, it is **47, 15.301, 197.748**.

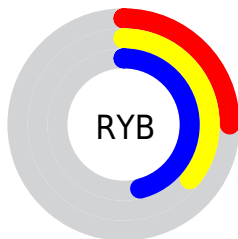
Distribution



Red (25%)

Green (46%)

Blue (46%)



Red (25%)

Yellow (36%)

Blue (46%)

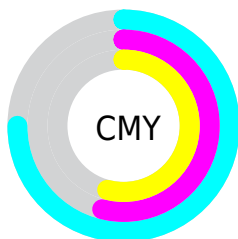


Cyan (46%)

Magenta (0%)

Yellow (0%)

Black (54%)



Cyan (75%)

Magenta (54%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.725, 197.383 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, 18.725, 197.383 by changing the saturation by 10% instead.


 46, 18.725,
197.383


 46, 18.725,
197.383


 100, 18.725,
197.383


 36, 18.725,
197.383

 66, 18.725,
197.383


 26, 18.725,
197.383

 76, 18.725,
197.383

 16, 18.725,
197.383


 86, 18.725,
197.383

 6, 18.725, 197.383

 96, 18.725,
197.383

 0, 18.725, 197.383

 46, 18.725,

 46, 18.725,

197.383

197.383

■ 46, 21.663,
197.071

■ 47, 15.301,
197.748

■ 45, 24.066,
196.821

■ 47, 11.451,
198.171

■ 45, 25.909,
196.631

■ 48, 7.244, 198.650

■ 45, 27.194,
196.500

■ 49, 2.749, 199.234

■ 50, 1.968, 19.439

■ 45, 28.003,
196.418

■ 51, 6.848, 20.131

■ 45, 28.306,
196.388

■ 52, 11.840, 20.730

■ 53, 16.901, 21.327

■ 55, 21.996, 21.928

Harmonies

Complementary

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



46, 18.725, 197.383



34, 25.618, 23.932

Rectangle

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



46, 18.725, 197.383



46, 18.725, 247.383



46, 18.725, 17.383



46, 18.725, 67.383

Sweetspot

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



46, 18.725, 197.381



62, 7.950, 198.729



45, 38.581, 141.027



31, 5.430, 198.640



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 18.725, 197.381



58, 26.356, 197.057



38, 18.582, 263.229



24, 2.606, 199.026



46, 29.110, 196.388



89, 49.353, 196.388

Inverse Universe

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



36, 38.463, 326.752



43, 55.928, 327.198



41, 21.075, 69.958



23, 4.757, 324.890



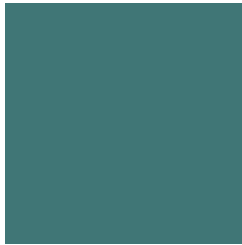
28, 67.129, 328.233



59, 113.810, 328.233

Previews

White Background



This preview shows how the CIELCh color 46, 18.725, 197.383 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, 18.725, 197.383 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, 18.725, 197.383

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.725, 197.383.



This preview shows how white text looks on a background with the CIELCh color 46, 18.725, 197.383.

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, 18.725, 197.383

Protanopia

46, 2.423, 300.112

Deuteranopia

46, 8.823, 309.561



Tritanopia
46, 17.626, 217.621

Trichromacy



Original Color
46, 18.725, 197.383

Protanomaly
46, 7.416, 207.900

Deuteranomaly
46, 7.719, 243.102

Tritanomaly
46, 17.916, 209.157

Monochromacy



Original Color
46, 18.725, 197.383

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.817, 198.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.725, 197.383 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(64, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(64, 118, 118)  
}
```

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(64, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 118, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.725, 197.383 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(64, 118, 118) }
```

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

```
.border{ border-color:rgb(64, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(64, 118,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.725, 197.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 118, 118) }
```

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

```
.background{ background-color: rgb(64, 118,  
118) }
```

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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