

Converting Colors

CIELCh(46, 18.686, 186.792)

Have a look what the booklet for
CIELCh(46, 18.686, 186.792)
contains.

CIELCh(46, 18.804, 186.326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 18.804, 186.326)

Conversions

Conversions Part 1

Format	Color
Hex	437670
RGB	67, 118, 112
RGB Percent	26%, 46%, 44%
CMY	0.7379, 0.5379, 0.5615
CMYK	0.43, 0.00, 0.05, 0.54
HSL	173°, 28%, 36%
HSV	173°, 43%, 46%
XYZ	11.6756, 15.2687, 17.6105
YIQ	102.0670, -28.4700, -12.6780

Conversions

Conversions Part 2

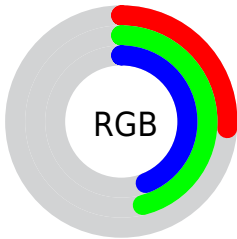
Format	Color
RYB	67, 94, 118
Decimal	4421232
CIELab	46.00, -18.69, -2.07
CIELCh	46, 18.804, 186.326
Yxy	15.2687, 0.2621, 0.3427
Android (android.graphics.Color)	4282611312 (0xFF437670)
YUV	102.0670, 4.8970, -30.7538
Hunter-Lab	39.0751, -15.0459, 0.6315

Details

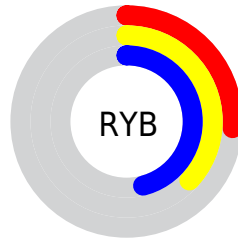
The CIELCh color **46, 18.804, 186.326** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 23.546, 14.693**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 18.621, 187.484**, and **26, 18.776, 186.298** is the 20% darker color. If you saturate the color by 10%, you get **45, 22.233, 185.460**, and if you desaturate by 10%, it is **47, 14.952, 187.155**.

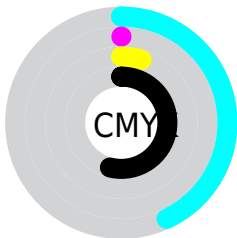
Distribution



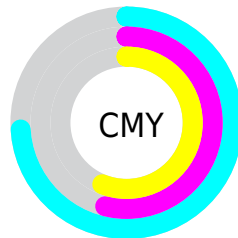
- Red (26%)
- Green (46%)
- Blue (44%)



- Red (26%)
- Yellow (37%)
- Blue (46%)



- Cyan (43%)
- Magenta (0%)
- Yellow (5%)
- Black (54%)



- Cyan (74%)
- Magenta (54%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.804, 186.326 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, 18.804, 186.326 by changing the saturation by 10% instead.

 46, 18.804,
186.326


 46, 18.804,
186.326


 100, 18.804,
186.326


 36, 18.804,
186.326

 66, 18.804,
186.326


 26, 18.804,
186.326

 76, 18.804,
186.326

 16, 18.804,
186.326


 86, 18.804,
186.326

 6, 18.804, 186.326

 96, 18.804,
186.326

 0, 18.804, 186.326

 46, 18.804,

 46, 18.804,

186.326

186.326

■ 45, 22.233,
185.460

■ 47, 14.952,
187.155

■ 45, 25.176,
184.549

■ 47, 10.748,
187.964

■ 45, 27.588,
183.577

■ 48, 6.265, 188.767

■ 44, 29.451,
182.527

■ 49, 1.573, 189.703

■ 50, 3.266, 10.113

■ 44, 30.789,
181.384

■ 51, 8.196, 10.917

■ 44, 31.582,
180.622

■ 53, 13.173, 11.658

■ 54, 18.162, 12.378

■ 55, 23.134, 13.081

Harmonies

Complementary

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



46, 18.804, 186.326



35, 23.546, 14.693

Rectangle

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



46, 18.804, 186.326



46, 18.804, 236.326



46, 18.804, 6.326



46, 18.804, 56.326

Sweetspot

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



46, 18.804, 186.324



62, 7.594, 188.764



45, 35.086, 138.211



31, 5.264, 188.618



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, 18.804, 186.324



58, 26.871, 185.458



40, 15.581, 245.805



24, 2.665, 189.120



46, 32.473, 180.566



89, 55.458, 179.792

Inverse Universe

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



35, 23.546, 14.693



42, 35.674, 16.656



39, 19.407, 56.292



23, 2.780, 10.378



24, 55.795, 32.949



52, 97.597, 35.788

Previews

White Background



This preview shows how the CIELCh color 46, 18.804, 186.326 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 CIE LCh color 46, 18.804, 186.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

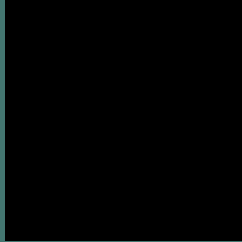
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

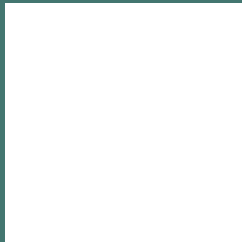
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 18.804, 186.326

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.804, 186.326.



This preview shows how white text looks on a background with the CIELCh color 46, 18.804, 186.326.

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, 18.804, 186.326

Protanopia

46, 1.705, 63.295

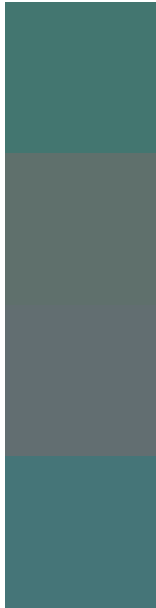
Deuteranopia

46, 7.004, 330.423



Tritanopia
46, 16.221, 217.261

Trichromacy



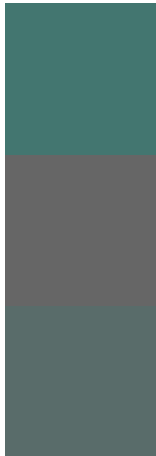
Original Color
46, 18.804, 186.326

Protanomaly
46, 7.215, 179.319

Deuteranomaly
46, 5.004, 219.935

Tritanomaly
46, 16.847, 203.744

Monochromacy



Original Color
46, 18.804, 186.326

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.628, 189.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.804, 186.326 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(67, 118, 112)` looks like.

```
.text, #text, p{  
    color:rgb(67, 118, 112)  
}
```

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(67, 118, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 118, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.804, 186.326 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(67, 118, 112) }
```

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

```
.border{ border-color:rgb(67, 118, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 118, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 118, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 118, 112);  
box-shadow:4px 4px 4px 4px rgb(67, 118,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.804, 186.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 118, 112) }
```

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

```
.background{ background-color: rgb(67, 118,  
112) }
```

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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