

Converting Colors

CIELCh(46, 24.895, 218.119)

Have a look what the booklet for
CIELCh(46, 24.895, 218.119)
contains.

CIELCh(46, 24.940, 218.307)	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, 24.940, 218.307)

Conversions

Conversions Part 1

Format	Color
Hex	217786
RGB	33, 119, 134
RGB Percent	13%, 47%, 53%
CMY	0.8700, 0.5329, 0.4741
CMYK	0.75, 0.11, 0.00, 0.47
HSL	189°, 60%, 33%
HSV	189°, 75%, 53%
XYZ	11.5519, 15.2687, 24.9315
YIQ	94.9960, -56.0710, -13.5670

Conversions

Conversions Part 2

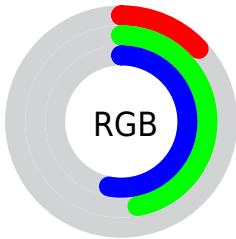
Format	Color
RYB	33, 79, 134
Decimal	2193286
CIELab	46.00, -19.57, -15.46
CIELCh	46, 24.940, 218.307
Yxy	15.2687, 0.2232, 0.2950
Android (android.graphics.Color)	4280383366 (0xFF217786)
YUV	94.9960, 19.2290, -54.3705
Hunter-Lab	39.0751, -15.6110, -10.4768

Details

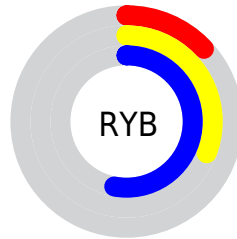
The CIELCh color **46, 24.940, 218.307** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **33, 45.916, 38.488**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.869, 218.741**, and **27, 19.425, 225.452** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.123, 220.145**, and if you desaturate by 10%, it is **47, 23.185, 216.872**.

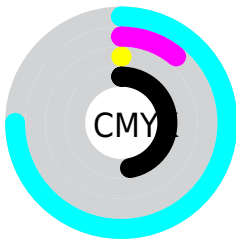
Distribution



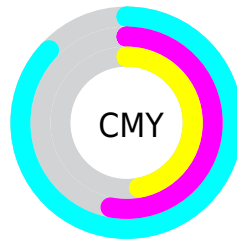
- Red (13%)
- Green (47%)
- Blue (53%)



- Red (13%)
- Yellow (31%)
- Blue (53%)



- Cyan (75%)
- Magenta (11%)
- Yellow (0%)
- Black (47%)





- Cyan (87%)
- Magenta (53%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.940, 218.307 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, 24.940, 218.307 by changing the saturation by 10% instead.


 46, 24.940,
218.307


 46, 24.940,
218.307


 100, 24.940,
218.307


 36, 24.940,
218.307

 66, 24.940,
218.307


 26, 24.940,
218.307

 76, 24.940,
218.307

 16, 24.940,
218.307

 86, 24.940,
218.307

 6, 24.940, 218.307

 96, 24.940,
218.307

 0, 24.940, 218.307

 46, 24.940,

 46, 24.940,

218.307

■ 45, 26.123,
220.145

■ 44, 26.799,
222.417

■ 44, 27.071,
223.528

218.307

■ 47, 23.185,
216.872

■ 48, 20.861,
215.783

■ 49, 18.000,
214.984

■ 51, 14.658,
214.423

■ 52, 10.900,
214.060

■ 54, 6.794, 213.863

■ 55, 2.407, 213.876

■ 57, 2.201, 33.516

■ 58, 6.977, 33.717

Harmonies

Complementary

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



46, 24.940, 218.307



33, 45.916, 38.488

Rectangle

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



46, 24.940, 218.307



46, 24.940, 268.307



46, 24.940, 38.307



46, 24.940, 88.307

Sweetspot

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



46, 24.939, 218.306



66, 12.308, 214.013



49, 60.258, 140.907



34, 8.394, 214.098



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 24.939, 218.306



57, 32.129, 221.629



31, 41.044, 284.774



27, 2.526, 213.829



43, 26.479, 223.436



0, 0.619, 213.711

Inverse Universe

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



33, 57.552, 333.343



40, 75.718, 334.431



44, 41.475, 78.167



26, 4.758, 329.293



29, 62.638, 334.953



0, 1.133, 328.794

Previews

White Background



This preview shows how the CIELCh color 46, 24.940, 218.307 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, 24.940, 218.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

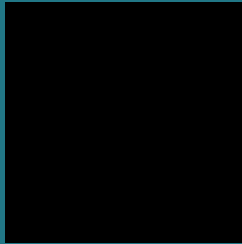
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.940, 218.307

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.940, 218.307.

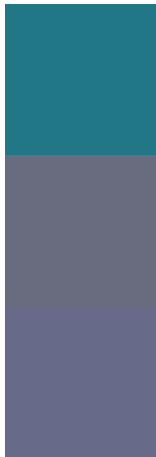


This preview shows how white text looks on a background with the CIELCh color 46, 24.940, 218.307.

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, 24.940, 218.307

Protanopia

46, 11.326, 287.900

Deuteranopia

46, 18.464, 290.452



Tritanopia
46, 25.483, 210.547

Trichromacy



Original Color
46, 24.940, 218.307

Protanomaly
45, 15.130, 244.070

Deuteranomaly
45, 18.148, 254.373

Tritanomaly
46, 25.234, 212.142

Monochromacy



Original Color
46, 24.940, 218.307

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 11.791, 213.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.940, 218.307 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(33, 119, 134)` looks like.

```
.text, #text, p{  
    color:rgb(33, 119, 134)  
}
```

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(33, 119, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 119, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.940, 218.307 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(33, 119, 134) }
```

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

```
.border{ border-color:rgb(33, 119, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 119, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 119, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 119, 134);  
box-shadow:4px 4px 4px 4px rgb(33, 119,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.940, 218.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 119, 134) }
```

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

```
.background{ background-color: rgb(33, 119,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor