

Converting Colors

CIELCh(46, 23.757, 191.771)

Have a look what the booklet for
CIELCh(46, 23.757, 191.771)
contains.

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Color

CIELCh(46, 23.893, 191.071)

Conversions

Conversions Part 1

Format	Color
Hex	2F7874
RGB	47, 120, 116
RGB Percent	18%, 47%, 45%
CMY	0.8161, 0.5298, 0.5455
CMYK	0.61, 0.00, 0.03, 0.53
HSL	177°, 44%, 33%
HSV	177°, 61%, 47%
XYZ	11.0177, 15.2687, 18.8588
YIQ	97.7170, -42.2240, -16.7200

Conversions

Conversions Part 2

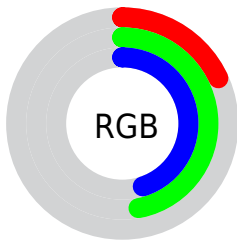
Format	Color
RYB	47, 85, 120
Decimal	3111028
CIELab	46.00, -23.45, -4.59
CIElCh	46, 23.893, 191.071
Yxy	15.2687, 0.2441, 0.3382
Android (android.graphics.Color)	4281301108 (0xFF2F7874)
YUV	97.7170, 9.0135, -44.4788
Hunter-Lab	39.0751, -18.0512, -1.2625

Details

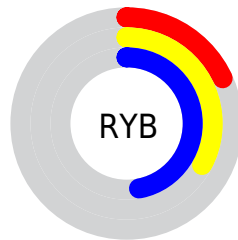
The CIELCh color **46, 23.893, 191.071** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 35.148, 23.146**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 23.918, 190.718**, and **27, 20.561, 190.727** is the 20% darker color. If you saturate the color by 10%, you get **46, 26.214, 190.463**, and if you desaturate by 10%, it is **46, 21.023, 191.675**.

Distribution



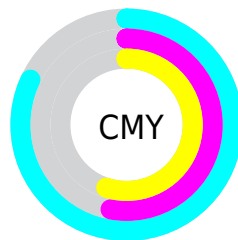
- Red (18%)
- Green (47%)
- Blue (45%)



- Red (18%)
- Yellow (33%)
- Blue (47%)



- Cyan (61%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)





- Cyan (82%)
- Magenta (53%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 23.893, 191.071 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, 23.893, 191.071 by changing the saturation by 10% instead.


 46, 23.893,
191.071


 46, 23.893,
191.071


 100, 23.893,
191.071


 36, 23.893,
191.071

 66, 23.893,
191.071


 26, 23.893,
191.071

 76, 23.893,
191.071

 16, 23.893,
191.071

 86, 23.893,
191.071

 6, 23.893, 191.071

 96, 23.893,
191.071

 0, 23.893, 191.071

 46, 23.893,

 46, 23.893,

191.071

■ 46, 26.214,
190.463

■ 45, 27.966,
189.845

■ 45, 29.162,
189.204

■ 45, 29.983,
188.616

191.071

■ 46, 21.023,
191.675

■ 47, 17.649,
192.286

■ 48, 13.831,
192.909

■ 48, 9.641, 193.549

■ 49, 5.151, 194.221

■ 50, 0.430, 195.667

■ 51, 4.458, 15.369

■ 53, 9.458, 16.074

■ 54, 14.525, 16.749

Harmonies

Complementary

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



46, 23.893, 191.071



30, 35.148, 23.146

Rectangle

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



46, 23.893, 191.071



46, 23.893, 241.071



46, 23.893, 11.071



46, 23.893, 61.071

Sweetspot

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



46, 23.893, 191.069



62, 10.345, 193.709



45, 49.689, 138.227



32, 7.198, 193.550



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, 23.893, 191.069



58, 32.569, 190.224



36, 22.688, 259.347



25, 2.719, 194.352



47, 30.891, 188.584



90, 52.144, 188.185

Inverse Universe

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



30, 35.148, 23.146



36, 52.830, 27.291



37, 29.111, 61.591



24, 2.855, 15.428



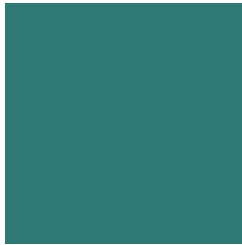
25, 58.523, 35.984



53, 101.667, 38.473

Previews

White Background



This preview shows how the CIELCh color 46, 23.893, 191.071 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, 23.893, 191.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

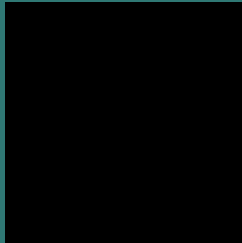
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.893, 191.071

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.893, 191.071.



This preview shows how white text looks on a background with the CIELCh color 46, 23.893, 191.071.

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, 23.893, 191.071

Protanopia

46, 1.020, 343.534

Deuteranopia

46, 9.120, 314.353



Tritanopia
46, 21.318, 213.686

Trichromacy



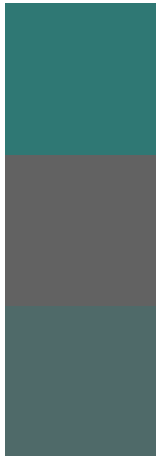
Original Color
46, 23.893, 191.071

Protanomaly
45, 9.596, 198.339

Deuteranomaly
45, 8.802, 231.690

Tritanomaly
46, 21.979, 204.985

Monochromacy



Original Color
46, 23.893, 191.071

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 10.444, 194.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.893, 191.071 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(47, 120, 116)` looks like.

```
.text, #text, p{  
    color:rgb(47, 120, 116)  
}
```

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(47, 120, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 120, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.893, 191.071 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(47, 120, 116) }
```

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

```
.border{ border-color:rgb(47, 120, 116) }
```

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

Here you see how a box with a 4 pixel rgb(47, 120, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 120, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 120, 116);  
box-shadow:4px 4px 4px 4px rgb(47, 120,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.893, 191.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 120, 116) }
```

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

```
.background{ background-color: rgb(47, 120,  
116) }
```

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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