

Converting Colors

CIELCh(46, 23.898, 173.220)

Have a look what the booklet for
CIELCh(46, 23.898, 173.220)
contains.

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Color

CIELCh(46, 23.888, 173.285)

Conversions

Conversions Part 1

Format	Color
Hex	3C7868
RGB	60, 120, 104
RGB Percent	24%, 47%, 41%
CMY	0.7664, 0.5311, 0.5938
CMYK	0.50, 0.00, 0.13, 0.53
HSL	164°, 33%, 35%
HSV	164°, 50%, 47%
XYZ	10.9804, 15.2687, 15.3555
YIQ	100.2360, -30.6240, -17.6960

Conversions

Conversions Part 2

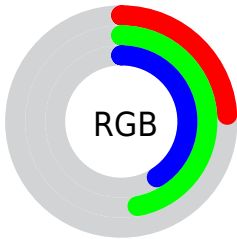
Format	Color
RYB	60, 95, 120
Decimal	3962984
CIELab	46.00, -23.72, 2.79
CIElCh	46, 23.888, 173.285
Yxy	15.2687, 0.2639, 0.3670
Android (android.graphics.Color)	4282153064 (0xFF3C7868)
YUV	100.2360, 1.8557, -35.2870
Hunter-Lab	39.0751, -18.2218, 4.0532

Details

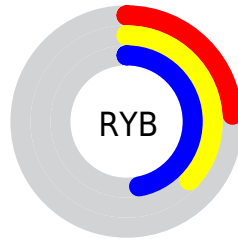
The CIELCh color **46, 23.888, 173.285** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 28.142, 4.740**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.014, 172.804**, and **26, 23.900, 173.114** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.714, 171.998**, and if you desaturate by 10%, it is **47, 19.650, 174.455**.

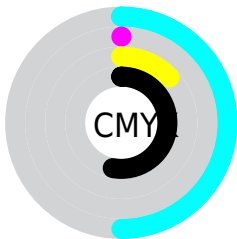
Distribution



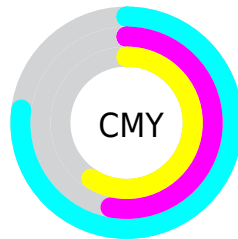
- Red (24%)
- Green (47%)
- Blue (41%)



- Red (24%)
- Yellow (37%)
- Blue (47%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (53%)



- Cyan (77%)
- Magenta (53%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 23.888, 173.285 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, 23.888, 173.285 by changing the saturation by 10% instead.


 46, 23.888,
173.285


 46, 23.888,
173.285


 100, 23.888,
173.285


 36, 23.888,
173.285

 66, 23.888,
173.285


 26, 23.888,
173.285

 76, 23.888,
173.285

 16, 23.888,
173.285

 86, 23.888,
173.285

 6, 23.888, 173.285

 96, 23.888,
173.285

 0, 23.888, 173.285

 46, 23.888,

 46, 23.888,

173.285

173.285

■ 45, 27.714,
171.998

■ 47, 19.650,
174.455

■ 45, 31.064,
170.578

■ 47, 15.073,
175.534

■ 45, 33.897,
169.002

■ 48, 10.239,
176.539

■ 44, 36.208,
167.253

■ 49, 5.222, 177.501

■ 44, 38.182,
165.496

■ 50, 0.091, 181.994

■ 51, 5.096, 359.077

■ 53, 10.291,
359.901

■ 54, 15.457, 0.669

■ 55, 20.567, 1.401

Harmonies

Complementary

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



46, 23.888, 173.285



33, 28.142, 4.740

Rectangle

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



46, 23.888, 173.285



46, 23.888, 223.285



46, 23.888, 353.285



46, 23.888, 43.285

Sweetspot

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



46, 23.888, 173.284



62, 9.493, 177.004



46, 39.266, 134.252



32, 6.515, 176.840



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, 23.888, 173.284



58, 34.104, 171.820



42, 17.218, 227.575



24, 2.844, 177.614



45, 38.857, 165.441



88, 67.088, 164.208

Inverse Universe

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



33, 28.142, 4.740



40, 41.612, 7.242



36, 24.383, 42.753



23, 2.924, 359.076



25, 51.138, 21.842



53, 88.564, 25.248

Previews

White Background



This preview shows how the CIELCh color 46, 23.888, 173.285 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, 23.888, 173.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

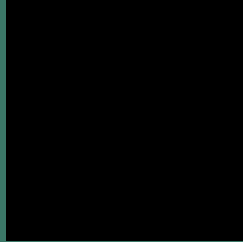
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.888, 173.285

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.888, 173.285.

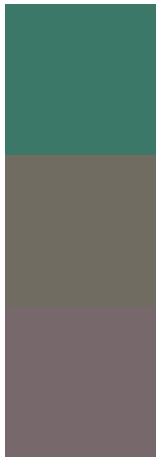


This preview shows how white text looks on a background with the CIELCh color 46, 23.888, 173.285.

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, 23.888, 173.285

Protanopia

46, 6.849, 91.075

Deuteranopia

46, 5.962, 8.659



Tritanopia
46, 17.626, 217.621

Trichromacy



Original Color
46, 23.888, 173.285

Protanomaly
45, 10.752, 152.329

Deuteranomaly
45, 5.790, 174.447

Tritanomaly
46, 18.358, 199.297

Monochromacy



Original Color
46, 23.888, 173.285

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 9.556, 176.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.888, 173.285 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(60, 120, 104)` looks like.

```
.text, #text, p{  
    color:rgb(60, 120, 104)  
}
```

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(60, 120, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 120, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.888, 173.285 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(60, 120, 104) }
```

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

```
.border{ border-color:rgb(60, 120, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 120, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 120, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 120, 104);  
box-shadow:4px 4px 4px 4px rgb(60, 120,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.888, 173.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 120, 104) }
```

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

```
.background{ background-color: rgb(60, 120,  
104) }
```

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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