

Converting Colors

CIELCh(46, 23.548, 198.774)

Have a look what the booklet for
CIELCh(46, 23.548, 198.774)
contains.

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Color

CIELCh(46, 23.739, 198.349)

Conversions

Conversions Part 1

Format	Color
Hex	2C7879
RGB	44, 120, 121
RGB Percent	17%, 47%, 47%
CMY	0.8287, 0.5305, 0.5266
CMYK	0.64, 0.01, 0.00, 0.53
HSL	181°, 47%, 32%
HSV	181°, 64%, 47%
XYZ	11.1424, 15.2687, 20.3612
YIQ	97.3900, -45.6170, -15.8010

Conversions

Conversions Part 2

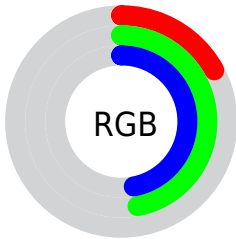
Format	Color
RYB	44, 82, 121
Decimal	2914425
CIELab	46.00, -22.53, -7.47
CIELCh	46, 23.739, 198.349
Yxy	15.2687, 0.2382, 0.3264
Android (android.graphics.Color)	4281104505 (0xFF2C7879)
YUV	97.3900, 11.6397, -46.8230
Hunter-Lab	39.0751, -17.4815, -3.5421

Details

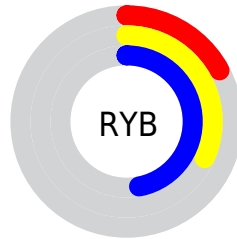
The CIELCh color **46, 23.739, 198.349** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 37.730, 28.443**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 23.843, 197.456**, and **27, 19.627, 200.332** is the 20% darker color. If you saturate the color by 10%, you get **46, 25.685, 198.252**, and if you desaturate by 10%, it is **46, 21.224, 198.521**.

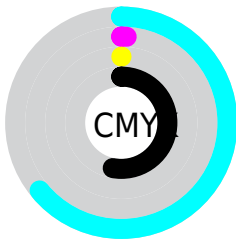
Distribution



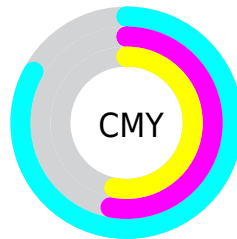
- Red (17%)
- Green (47%)
- Blue (47%)



- Red (17%)
- Yellow (32%)
- Blue (47%)



- Cyan (64%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



- Cyan (83%)
- Magenta (53%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 23.739, 198.349 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, 23.739, 198.349 by changing the saturation by 10% instead.


 46, 23.739,
198.349


 46, 23.739,
198.349


 100, 23.739,
198.349


 36, 23.739,
198.349

 66, 23.739,
198.349


 26, 23.739,
198.349

 76, 23.739,
198.349

 16, 23.739,
198.349

 86, 23.739,
198.349

 6, 23.739, 198.349

 96, 23.739,
198.349

 0, 23.739, 198.349

 46, 23.739,

 46, 23.739,

198.349

■ 46, 25.685,
198.252

■ 45, 27.057,
198.236

■ 45, 27.894,
198.297

■ 45, 28.316,
198.347

198.349

■ 46, 21.224,
198.521

■ 47, 18.174,
198.768

■ 48, 14.640,
199.084

■ 48, 10.688,
199.464

■ 49, 6.388, 199.910

■ 50, 1.809, 200.527

■ 51, 2.983, 20.687

■ 53, 7.930, 21.294

■ 54, 12.984, 21.860

Harmonies

Complementary

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



46, 23.739, 198.349



30, 37.730, 28.443

Rectangle

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



46, 23.739, 198.349



46, 23.739, 248.349



46, 23.739, 18.349



46, 23.739, 68.349

Sweetspot

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



46, 23.739, 198.347



63, 10.775, 199.649



45, 52.825, 139.114



32, 7.323, 199.549



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, 23.739, 198.347



59, 32.181, 198.234



34, 25.997, 268.309



25, 2.664, 200.156



47, 29.021, 198.354



89, 48.807, 198.462

Inverse Universe

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



32, 51.780, 327.876



40, 72.730, 328.344



38, 31.022, 67.720



24, 4.887, 325.242



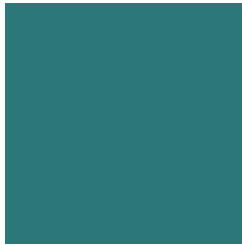
29, 67.465, 328.737



60, 113.508, 328.765

Previews

White Background



This preview shows how the CIELCh color 46, 23.739, 198.349 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, 23.739, 198.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

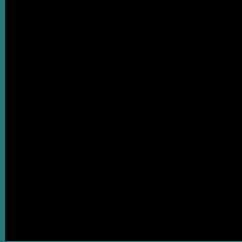
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.739, 198.349

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.739, 198.349.



This preview shows how white text looks on a background with the CIELCh color 46, 23.739, 198.349.

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, 23.739, 198.349

Protanopia

46, 3.011, 298.279

Deuteranopia

46, 11.009, 303.848



Tritanopia
46, 22.502, 211.073

Trichromacy



Original Color
46, 23.739, 198.349

Protanomaly
45, 10.339, 211.742

Deuteranomaly
45, 11.136, 238.829

Tritanomaly
46, 22.736, 206.199

Monochromacy



Original Color
46, 23.739, 198.349

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 10.329, 201.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.739, 198.349 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(44, 120, 121)` looks like.

```
.text, #text, p{  
    color:rgb(44, 120, 121)  
}
```

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(44, 120, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 120, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.739, 198.349 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(44, 120, 121) }
```

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

```
.border{ border-color:rgb(44, 120, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 120, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 120, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 120, 121);  
box-shadow:4px 4px 4px 4px rgb(44, 120,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.739, 198.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 120, 121) }
```

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

```
.background{ background-color: rgb(44, 120,  
121) }
```

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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