

Converting Colors

CIELCh(46, 24.888, 199.865)

Have a look what the booklet for
CIELCh(46, 24.888, 199.865)
contains.

CIELCh(46, 24.855, 199.572)	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, 24.855, 199.572)

Conversions

Conversions Part 1

Format	Color
Hex	25787A
RGB	37, 120, 122
RGB Percent	15%, 47%, 48%
CMY	0.8542, 0.5289, 0.5211
CMYK	0.70, 0.02, 0.00, 0.52
HSL	181°, 53%, 31%
HSV	181°, 70%, 48%
XYZ	11.0217, 15.2687, 20.8202
YIQ	95.4110, -50.1100, -16.9740

Conversions

Conversions Part 2

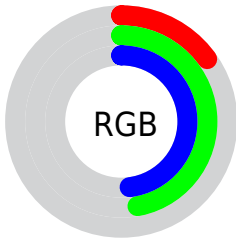
Format	Color
R _Y B	37, 79, 122
Decimal	2455674
CIE Lab	46.00, -23.42, -8.33
CIE LCh	46, 24.855, 199.572
Yxy	15.2687, 0.2340, 0.3241
Android (android.graphics.Color)	4280645754 (0xFF25787A)
YUV	95.4110, 13.1084, -51.2264
Hunter-Lab	39.0751, -18.0329, -4.2386

Details

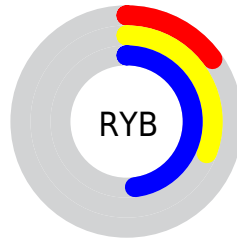
The CIELCh color **46, 24.855, 199.572** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 41.683, 30.485**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.028, 198.649**, and **27, 19.627, 200.332** is the 20% darker color. If you saturate the color by 10%, you get **46, 26.447, 199.622**, and if you desaturate by 10%, it is **46, 22.682, 199.615**.

Distribution



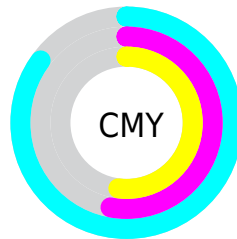
- Red (15%)
- Green (47%)
- Blue (48%)



- Red (15%)
- Yellow (31%)
- Blue (48%)



- Cyan (70%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)




- Cyan (85%)
- Magenta (53%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.855, 199.572 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, 24.855, 199.572 by changing the saturation by 10% instead.


 46, 24.855,
199.572


 46, 24.855,
199.572


 100, 24.855,
199.572

 36, 24.855,
199.572

 66, 24.855,
199.572


 26, 24.855,
199.572

 76, 24.855,
199.572

 16, 24.855,
199.572

 86, 24.855,
199.572

 6, 24.855, 199.572

 96, 24.855,
199.572

 0, 24.855, 199.572

 46, 24.855,

 46, 24.855,

199.572

■ 46, 26.447,
199.622

■ 45, 27.471,
199.773

■ 45, 28.127,
199.988

■ 45, 28.155,
199.997

199.572

■ 46, 22.682,
199.615

■ 47, 19.948,
199.750

■ 48, 16.695,
199.968

■ 48, 12.984,
200.262

■ 49, 8.883, 200.626

■ 50, 4.463, 201.072

■ 51, 0.209, 19.589

■ 52, 5.070, 21.839

■ 54, 10.066, 22.384

Harmonies

Complementary

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



46, 24.855, 199.572



29, 41.683, 30.485

Rectangle

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



46, 24.855, 199.572



46, 24.855, 249.572



46, 24.855, 19.572



46, 24.855, 69.572

Sweetspot

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



46, 24.855, 199.571



63, 11.709, 200.550



45, 56.515, 138.853



32, 7.827, 200.468



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, 24.855, 199.571



58, 32.656, 199.692



32, 29.197, 272.061



25, 2.636, 201.098



46, 28.619, 200.006



89, 48.096, 200.208

Inverse Universe

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



31, 55.302, 328.414



39, 74.984, 328.859



38, 34.491, 68.526



24, 4.852, 325.529



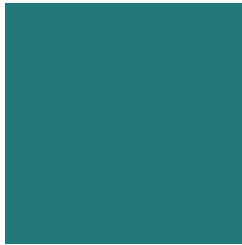
29, 66.929, 329.156



59, 112.558, 329.207

Previews

White Background



This preview shows how the CIELCh color 46, 24.855, 199.572 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, 24.855, 199.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

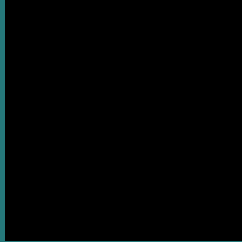
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.855, 199.572

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.855, 199.572.



This preview shows how white text looks on a background with the CIELCh color 46, 24.855, 199.572.

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, 24.855, 199.572

Protanopia

46, 3.600, 297.072

Deuteranopia

46, 11.516, 301.366



Tritanopia
46, 23.574, 211.861

Trichromacy



Original Color
46, 24.855, 199.572

Protanomaly
45, 11.085, 213.974

Deuteranomaly
45, 12.234, 238.123

Tritanomaly
46, 23.748, 208.704

Monochromacy



Original Color
46, 24.855, 199.572

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 11.364, 201.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.855, 199.572 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(37, 120, 122)` looks like.

```
.text, #text, p{  
    color:rgb(37, 120, 122)  
}
```

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(37, 120, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 120, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.855, 199.572 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(37, 120, 122) }
```

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

```
.border{ border-color:rgb(37, 120, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 120, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 120, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 120, 122);  
box-shadow:4px 4px 4px 4px rgb(37, 120,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.855, 199.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 120, 122) }
```

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

```
.background{ background-color: rgb(37, 120,  
122) }
```

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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