

Converting Colors

CIELCh(46, 24.483, 186.035)

Have a look what the booklet for
CIELCh(46, 24.483, 186.035)
contains.

CIELCh(46, 24.285, 186.829)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 24.285, 186.829)

Conversions

Conversions Part 1

Format	Color
Hex	307871
RGB	48, 120, 113
RGB Percent	19%, 47%, 44%
CMY	0.8115, 0.5292, 0.5567
CMYK	0.60, 0.00, 0.06, 0.53
HSL	174°, 43%, 33%
HSV	174°, 60%, 47%
XYZ	10.9279, 15.2687, 18.0090
YIQ	97.6740, -40.6650, -17.4410

Conversions

Conversions Part 2

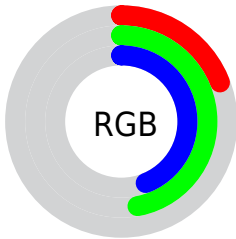
Format	Color
R_{YB}	48, 86, 120
Decimal	3176561
CIE _{Lab}	46.00, -24.11, -2.89
CIE _{LCh}	46, 24.285, 186.829
Yxy	15.2687, 0.2472, 0.3454
Android (android.graphics.Color)	4281366641 (0xFF307871)
YUV	97.6740, 7.5557, -43.5641
Hunter-Lab	39.0751, -18.4615, 0.0269

Details

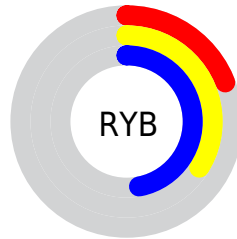
The CIELCh color **46, 24.285, 186.829** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 34.170, 19.789**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.418, 186.835**, and **26, 21.338, 185.430** is the 20% darker color. If you saturate the color by 10%, you get **46, 26.824, 185.976**, and if you desaturate by 10%, it is **46, 21.212, 187.638**.

Distribution



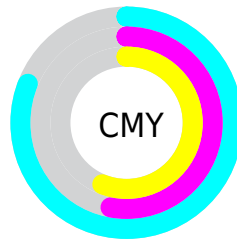
- Red (19%)
- Green (47%)
- Blue (44%)



- Red (19%)
- Yellow (34%)
- Blue (47%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (53%)



- Cyan (81%)
- Magenta (53%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 24.285, 186.829 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, 24.285, 186.829 by changing the saturation by 10% instead.


 46, 24.285,
186.829


 46, 24.285,
186.829


 100, 24.285,
186.829

 36, 24.285,
186.829

 66, 24.285,
186.829

 26, 24.285,
186.829

 76, 24.285,
186.829

 16, 24.285,
186.829

 86, 24.285,
186.829

 6, 24.285, 186.829

 96, 24.285,
186.829

 0, 24.285, 186.829

 46, 24.285,

 46, 24.285,

186.829

186.829

■ 46, 26.824,
185.976

■ 46, 21.212,
187.638

■ 45, 28.801,
185.070

■ 47, 17.656,
188.422

■ 45, 30.223,
184.093

■ 48, 13.682,
189.188

■ 45, 31.310,
183.086

■ 49, 9.363, 189.946

■ 45, 31.314,
183.083

■ 49, 4.774, 190.721

■ 50, 0.019, 351.514

■ 52, 4.949, 12.019

■ 53, 9.968, 12.771

■ 54, 15.030, 13.489

Harmonies

Complementary

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



46, 24.285, 186.829



30, 34.170, 19.789

Rectangle

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



46, 24.285, 186.829



46, 24.285, 236.829



46, 24.285, 6.829



46, 24.285, 56.829

Sweetspot

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



46, 24.285, 186.827



62, 10.472, 190.062



45, 48.653, 137.642



32, 7.292, 189.878



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, 24.285, 186.827



58, 33.354, 185.640



37, 21.589, 254.612



25, 2.745, 190.793



47, 32.239, 183.033



90, 54.576, 182.382

Inverse Universe

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



30, 34.170, 19.789



36, 51.105, 23.913



37, 28.685, 58.417



24, 2.871, 12.008



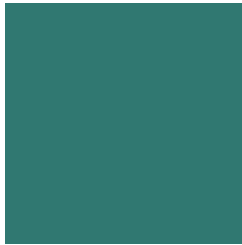
25, 57.353, 34.161



53, 99.562, 36.815

Previews

White Background



This preview shows how the CIELCh color 46, 24.285, 186.829 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, 24.285, 186.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

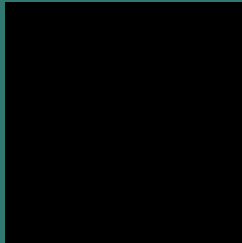
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.285, 186.829

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.285, 186.829.



This preview shows how white text looks on a background with the CIELCh color 46, 24.285, 186.829.

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, 24.285, 186.829

Protanopia

46, 1.705, 63.295

Deuteranopia

46, 7.726, 322.390



Tritanopia
46, 20.862, 212.355

Trichromacy



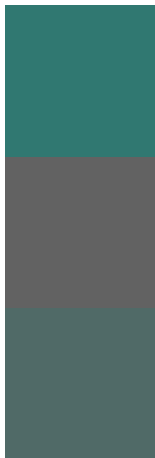
Original Color
46, 24.285, 186.829

Protanomaly
45, 9.561, 187.503

Deuteranomaly
45, 7.786, 221.299

Tritanomaly
46, 21.671, 201.896

Monochromacy



Original Color
46, 24.285, 186.829

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 10.346, 188.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.285, 186.829 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(48, 120, 113)` looks like.

```
.text, #text, p{  
    color:rgb(48, 120, 113)  
}
```

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(48, 120, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 120, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.285, 186.829 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(48, 120, 113) }
```

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

```
.border{ border-color:rgb(48, 120, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 120, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 120, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 120, 113);  
box-shadow:4px 4px 4px 4px rgb(48, 120,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.285, 186.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 120, 113) }
```

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

```
.background{ background-color: rgb(48, 120,  
113) }
```

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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