

Converting Colors

CIELCh(41, 23.723, 175.259)

Have a look what the booklet for
CIELCh(41, 23.723, 175.259)
contains.

CIELCh(41, 23.786, 175.577)	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(41, 23.786, 175.577)

Conversions

Conversions Part 1

Format	Color
Hex	2D6B5D
RGB	45, 107, 93
RGB Percent	18%, 42%, 36%
CMY	0.8235, 0.5804, 0.6353
CMYK	0.58, 0.00, 0.13, 0.58
HSL	166°, 41%, 30%
HSV	166°, 58%, 42%
XYZ	8.3164, 11.8645, 12.2085
YIQ	86.8660, -32.4580, -17.4980

Conversions

Conversions Part 2

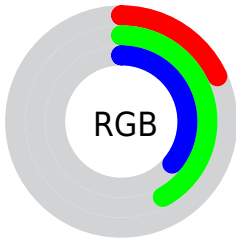
Format	Color
RYB	45, 80, 107
Decimal	2976605
CIELab	41.00, -23.72, 1.83
CIELCh	41, 23.786, 175.577
Yxy	11.8645, 0.2568, 0.3663
Android (android.graphics.Color)	4281166685 (0xFF2D6B5D)
YUV	86.8660, 3.0241, -36.7165
Hunter-Lab	34.4449, -17.1813, 3.0970

Details

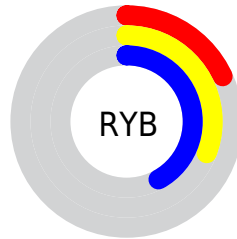
The CIELCh color **41, 23.786, 175.577** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 29.558, 9.320**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 23.940, 175.092**, and **21, 21.270, 173.261** is the 20% darker color. If you saturate the color by 10%, you get **41, 26.784, 174.295**, and if you desaturate by 10%, it is **42, 20.361, 176.746**.

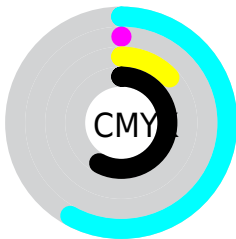
Distribution



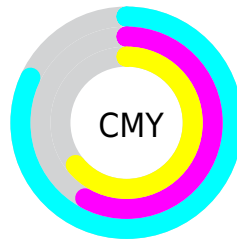
- Red (18%)
- Green (42%)
- Blue (36%)



- Red (18%)
- Yellow (31%)
- Blue (42%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (58%)




- Cyan (82%)
- Magenta (58%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 23.786, 175.577 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 41, 23.786, 175.577 by changing the saturation by 10% instead.


 41, 23.786,
175.577


 41, 23.786,
175.577


 100, 23.786,
175.577


 31, 23.786,
175.577

 61, 23.786,
175.577


 21, 23.786,
175.577

 71, 23.786,
175.577

 11, 23.786,
175.577

 81, 23.786,
175.577

 1, 23.786, 175.577

 91, 23.786,
175.577

 0, 23.786, 175.577

 41, 23.786,

 41, 23.786,

175.577

175.577

■ 41, 26.784,
174.295

■ 42, 20.361,
176.746

■ 40, 29.315,
172.883

■ 42, 16.567,
177.824

■ 40, 31.365,
171.321

■ 43, 12.471,
178.830

■ 40, 33.086,
169.689

■ 44, 8.142, 179.780

■ 40, 33.442,
169.371

■ 44, 3.646, 180.714

■ 45, 0.958, 1.138

■ 46, 5.619, 2.220

■ 48, 10.297, 3.020

■ 49, 14.958, 3.777

Harmonies

Complementary

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



41, 23.786, 175.577



28, 29.558, 9.320

Rectangle

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



41, 23.786, 175.577



41, 23.786, 225.577



41, 23.786, 355.577



41, 23.786, 45.577

Sweetspot

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



41, 23.786, 175.576



56, 9.640, 179.823



41, 41.389, 134.745



29, 6.485, 179.690



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 23.786, 175.576



53, 33.835, 173.742



36, 17.587, 233.937



22, 2.580, 180.616



44, 35.800, 169.156



86, 62.622, 167.934

Inverse Universe

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



28, 29.558, 9.320



33, 44.157, 13.139



31, 25.956, 45.899



21, 2.661, 2.021



23, 50.572, 24.965



51, 89.392, 28.522

Previews

White Background



This preview shows how the CIE LCh color 41, 23.786, 175.577 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 41, 23.786, 175.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

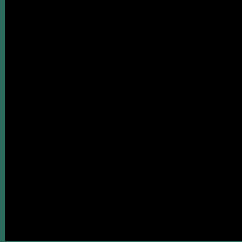
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 23.786, 175.577

Background



This preview shows how black text looks on a background with the CIELCh color 41, 23.786, 175.577.



This preview shows how white text looks on a background with the CIELCh color 41, 23.786, 175.577.

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

41, 23.786, 175.577

Protanopia

41, 5.706, 91.604

Deuteranopia

41, 5.408, 0.495



Tritanopia
41, 17.934, 215.432

Trichromacy



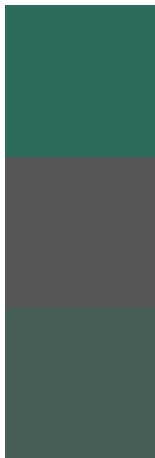
Original Color
41, 23.786, 175.577

Protanomaly
40, 10.709, 159.496

Deuteranomaly
40, 6.402, 182.015

Tritanomaly
41, 19.045, 199.035

Monochromacy



Original Color
41, 23.786, 175.577

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 9.479, 179.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 23.786, 175.577 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(45, 107, 93)` looks like.

```
.text, #text, p{  
    color:rgb(45, 107, 93)  
}
```

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(45, 107, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 107, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 23.786, 175.577 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(45, 107, 93) }
```

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

```
.border{ border-color:rgb(45, 107, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 107, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 107, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 107, 93);  
box-shadow:4px 4px 4px 4px rgb(45, 107,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 23.786, 175.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 107, 93) }
```

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

```
.background{ background-color: rgb(45, 107,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor