

Converting Colors

CIELCh(41, 24.888, 174.610)

Have a look what the booklet for
CIELCh(41, 24.888, 174.610)
contains.

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Color

CIELCh(41, 24.776, 174.827)

Conversions

Conversions Part 1

Format	Color
Hex	2A6B5C
RGB	42, 107, 92
RGB Percent	16%, 42%, 36%
CMY	0.8338, 0.5791, 0.6379
CMYK	0.61, 0.00, 0.14, 0.58
HSL	166°, 43%, 29%
HSV	166°, 61%, 42%
XYZ	8.2090, 11.8645, 12.0574
YIQ	85.8550, -33.9250, -18.4450

Conversions

Conversions Part 2

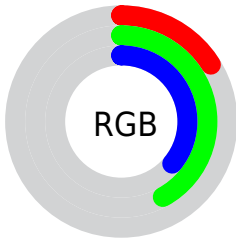
Format	Color
RYB	42, 79, 107
Decimal	2779996
CIELab	41.00, -24.68, 2.23
CIElCh	41, 24.776, 174.827
Yxy	11.8645, 0.2555, 0.3693
Android (android.graphics.Color)	4280970076 (0xFF2A6B5C)
YUV	85.8550, 3.0295, -38.4608
Hunter-Lab	34.4449, -17.7380, 3.3571

Details

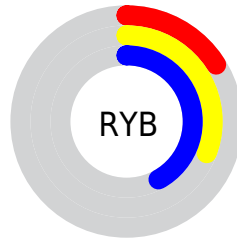
The CIELCh color **41, 24.776, 174.827** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 30.952, 9.539**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 25.042, 174.615**, and **21, 21.670, 171.711** is the 20% darker color. If you saturate the color by 10%, you get **41, 27.688, 173.500**, and if you desaturate by 10%, it is **41, 21.426, 176.033**.

Distribution



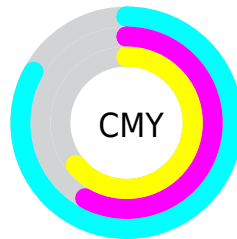
- Red (16%)
- Green (42%)
- Blue (36%)



- Red (16%)
- Yellow (31%)
- Blue (42%)



- Cyan (61%)
- Magenta (0%)
- Yellow (14%)
- Black (58%)



- Cyan (83%)
- Magenta (58%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 24.776, 174.827 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, 24.776, 174.827 by changing the saturation by 10% instead.


 41, 24.776,
174.827


 41, 24.776,
174.827


 100, 24.776,
174.827

 31, 24.776,
174.827

 61, 24.776,
174.827


 21, 24.776,
174.827

 71, 24.776,
174.827

 11, 24.776,
174.827


 81, 24.776,
174.827

 1, 24.776, 174.827

 91, 24.776,
174.827

 0, 24.776, 174.827

 41, 24.776,

 41, 24.776,

174.827

174.827

■ 41, 27.688,
173.500

■ 41, 21.426,
176.033

■ 40, 30.126,
172.035

■ 42, 17.690,
177.143

■ 40, 32.084,
170.414

■ 43, 13.636,
178.172

■ 40, 33.735,
168.878

■ 44, 9.333, 179.140

■ 44, 4.848, 180.074

■ 45, 0.243, 182.174

■ 46, 4.430, 1.609

■ 47, 9.127, 2.430

■ 49, 13.812, 3.196

Harmonies

Complementary

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



41, 24.776, 174.827



27, 30.952, 9.539

Rectangle

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



41, 24.776, 174.827



41, 24.776, 224.827



41, 24.776, 354.827



41, 24.776, 44.827

Sweetspot

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



41, 24.776, 174.826



56, 10.222, 179.331



41, 43.154, 134.598



29, 7.134, 179.115



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, 24.776, 174.826



52, 34.950, 172.858



36, 18.200, 234.487



22, 2.587, 180.222



44, 36.033, 168.669



86, 63.053, 167.433

Inverse Universe

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



27, 30.952, 9.539



33, 45.783, 13.731



31, 27.437, 45.924



21, 2.667, 1.632



23, 50.426, 24.536



51, 89.087, 28.105

Previews

White Background



This preview shows how the CIELCh color 41, 24.776, 174.827 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 CIE LCh color 41, 24.776, 174.827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

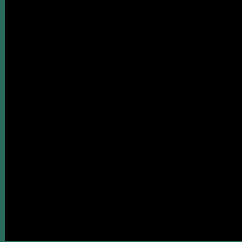
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 24.776, 174.827

Background



This preview shows how black text looks on a background with the CIELCh color 41, 24.776, 174.827.



This preview shows how white text looks on a background with the CIELCh color 41, 24.776, 174.827.

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, 24.776, 174.827

Protanopia

41, 6.287, 93.138

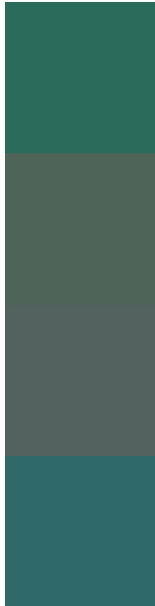
Deuteranopia

41, 5.672, 7.836



Tritanopia
41, 18.397, 214.920

Trichromacy



Original Color
41, 24.776, 174.827

Protanomaly
40, 11.428, 158.375

Deuteranomaly
40, 6.635, 177.025

Tritanomaly
41, 19.638, 197.108

Monochromacy



Original Color
41, 24.776, 174.827

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 10.446, 177.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 24.776, 174.827 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(42, 107, 92)` looks like.

```
.text, #text, p{  
    color:rgb(42, 107, 92)  
}
```

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(42, 107, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 107, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 24.776, 174.827 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(42, 107, 92) }
```

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

```
.border{ border-color:rgb(42, 107, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 107, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 107, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 107, 92);  
box-shadow:4px 4px 4px 4px rgb(42, 107,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 24.776, 174.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 107, 92) }
```

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

```
.background{ background-color: rgb(42, 107,  
92) }
```

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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