

Converting Colors

CIELCh(41, 24.435, 172.966)

Have a look what the booklet for
CIELCh(41, 24.435, 172.966)
contains.

CIELCh(41, 24.435, 173.028)	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, 24.435, 173.028)

Conversions

Conversions Part 1

Format	Color
Hex	2D6B5B
RGB	45, 107, 91
RGB Percent	18%, 42%, 36%
CMY	0.8229, 0.5798, 0.6426
CMYK	0.58, 0.00, 0.15, 0.58
HSL	165°, 41%, 30%
HSV	165°, 58%, 42%
XYZ	8.2560, 11.8645, 11.7837
YIQ	86.6380, -31.8160, -18.1200

Conversions

Conversions Part 2

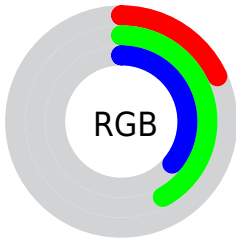
Format	Color
R _Y B	45, 81, 107
Decimal	2976603
CIE Lab	41.00, -24.25, 2.97
CIE LCh	41, 24.435, 173.028
Yxy	11.8645, 0.2588, 0.3719
Android (android.graphics.Color)	4281166683 (0xFF2D6B5B)
YUV	86.6380, 2.1505, -36.5165
Hunter-Lab	34.4449, -17.4946, 3.8281

Details

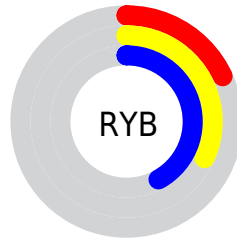
The CIELCh color **41, 24.435, 173.028** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 29.611, 6.832**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 24.516, 172.737**, and **21, 22.080, 170.215** is the 20% darker color. If you saturate the color by 10%, you get **41, 27.595, 171.681**, and if you desaturate by 10%, it is **42, 20.859, 174.250**.

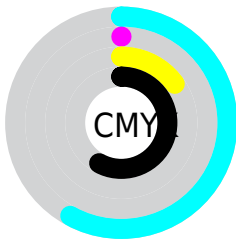
Distribution



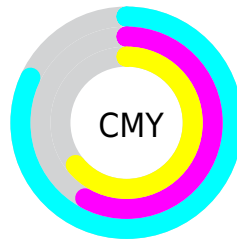
- Red (18%)
- Green (42%)
- Blue (36%)



- Red (18%)
- Yellow (32%)
- Blue (42%)



- Cyan (58%)
- Magenta (0%)
- Yellow (15%)
- Black (58%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 24.435, 173.028 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, 24.435, 173.028 by changing the saturation by 10% instead.

 41, 24.435,
173.028


 41, 24.435,
173.028


 100, 24.435,
173.028


 31, 24.435,
173.028

 61, 24.435,
173.028


 21, 24.435,
173.028

 71, 24.435,
173.028

 11, 24.435,
173.028


 81, 24.435,
173.028

 1, 24.435, 173.028

 91, 24.435,
173.028

 0, 24.435, 173.028

 41, 24.435,

 41, 24.435,

173.028

173.028

■ 41, 27.595,
171.681

■ 42, 20.859,
174.250

■ 40, 30.296,
170.192

■ 42, 16.925,
175.370

■ 40, 32.521,
168.541

■ 43, 12.703,
176.408

■ 40, 34.415,
166.817

■ 44, 8.263, 177.381

■ 40, 34.824,
166.469

■ 45, 3.672, 178.330

■ 46, 1.013, 358.790

■ 47, 5.741, 359.855

■ 48, 10.471, 0.654

■ 49, 15.173, 1.407

Harmonies

Complementary

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



41, 24.435, 173.028



28, 29.611, 6.832

Rectangle

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



41, 24.435, 173.028



41, 24.435, 223.028



41, 24.435, 353.028



41, 24.435, 43.028

Sweetspot

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



41, 24.435, 173.027



56, 9.817, 177.417



41, 40.973, 133.871



29, 6.606, 177.281



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, 24.435, 173.027



53, 34.548, 171.238



37, 17.545, 228.716



22, 2.623, 178.223



43, 37.258, 166.244



86, 65.324, 164.951

Inverse Universe

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



28, 29.611, 6.832



34, 43.481, 10.259



31, 26.365, 42.946



21, 2.698, 359.649



23, 49.721, 22.263



52, 87.580, 25.876

Previews

White Background



This preview shows how the CIELCh color 41, 24.435, 173.028 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, 24.435, 173.028 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, 24.435, 173.028

Background



This preview shows how black text looks on a background with the CIELCh color 41, 24.435, 173.028.



This preview shows how white text looks on a background with the CIELCh color 41, 24.435, 173.028.

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, 24.435, 173.028

Protanopia

41, 6.872, 94.396

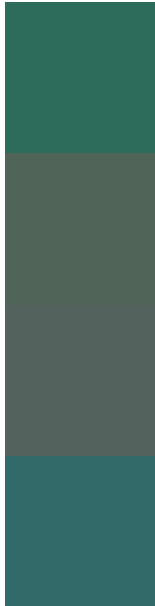
Deuteranopia

41, 5.592, 13.916



Tritanopia
41, 17.697, 215.704

Trichromacy



Original Color
41, 24.435, 173.028

Protanomaly
40, 11.553, 154.942

Deuteranomaly
40, 6.557, 170.934

Tritanomaly
41, 18.904, 197.192

Monochromacy



Original Color
41, 24.435, 173.028

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, 24.435, 173.028 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(45, 107, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 107, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 24.435, 173.028 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, 91) }
```

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

```
.border{ border-color:rgb(45, 107, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 107, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 107, 91);  
box-shadow:4px 4px 4px 4px rgb(45, 107,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 24.435, 173.028 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, 91) }
```

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

```
.background{ background-color: rgb(45, 107,  
91) }
```

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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