

Converting Colors

CIELCh(42, 24.133, 183.503)

Have a look what the booklet for
CIELCh(42, 24.133, 183.503)
contains.

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Color

CIELCh(42, 24.133, 183.503)

Conversions

Conversions Part 1

Format	Color
Hex	286E65
RGB	40, 110, 101
RGB Percent	16%, 43%, 40%
CMY	0.8439, 0.5693, 0.6045
CMYK	0.64, 0.00, 0.08, 0.57
HSL	172°, 47%, 29%
HSV	172°, 64%, 43%
XYZ	8.7669, 12.5000, 14.2214
YIQ	88.0440, -38.8310, -17.6390

Conversions

Conversions Part 2

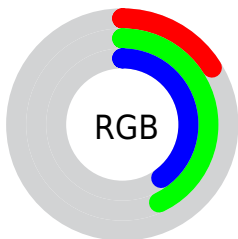
Format	Color
R_{YB}	40, 77, 110
Decimal	2649701
CIE _{Lab}	42.00, -24.09, -1.47
CIE _{LCh}	42, 24.133, 183.503
Yxy	12.5000, 0.2470, 0.3522
Android (android.graphics.Color)	4280839781 (0xFF286E65)
YUV	88.0440, 6.3873, -42.1346
Hunter-Lab	35.3553, -17.6099, 0.8999




Details

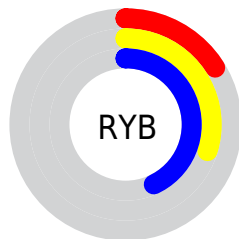
The CIELCh color **42, 24.133, 183.503** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 33.602, 18.290**, and the grayscale version is **37, 0.005, 296.813**.



A 20% lighter version of the original color is **62, 24.074, 183.729**, and **23, 20.333, 180.607** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.459, 182.485**, and if you desaturate by 10%, it is **42, 21.314, 184.449**.

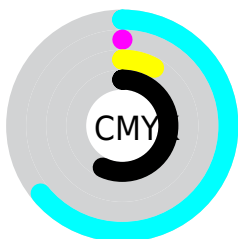
Distribution







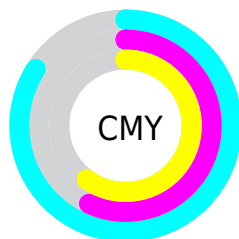
-  Red (16%)
-  Green (43%)
-  Blue (40%)






-  Red (16%)
-  Yellow (30%)
-  Blue (43%)



-  Cyan (64%)
-  Magenta (0%)
-  Yellow (8%)
-  Black (57%)




-  Cyan (84%)
-  Magenta (57%)
-  Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 24.133, 183.503 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 42, 24.133, 183.503 by changing the saturation by 10% instead.


 42, 24.133,
183.503


 42, 24.133,
183.503


 100, 24.133,
183.503


 32, 24.133,
183.503

 62, 24.133,
183.503


 22, 24.133,
183.503

 72, 24.133,
183.503

 12, 24.133,
183.503

 82, 24.133,
183.503

 2, 24.133, 183.503

 92, 24.133,
183.503

 0, 24.133, 183.503

 42, 24.133,

 42, 24.133,

183.503

■ 42, 26.459,
182.485

■ 41, 28.272,
181.383

■ 41, 29.607,
180.187

■ 41, 30.376,
179.456

183.503

■ 42, 21.314,
184.449

■ 43, 18.043,
185.343

■ 44, 14.380,
186.198

■ 44, 10.390,
187.026

■ 45, 6.142, 187.843

■ 46, 1.702, 188.763

■ 47, 2.873, 9.201

■ 48, 7.531, 10.018

■ 49, 12.230, 10.764

Harmonies

Complementary

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



42, 24.133, 183.503



27, 33.602, 18.290

Rectangle

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



42, 24.133, 183.503



42, 24.133, 233.503



42, 24.133, 3.503



42, 24.133, 53.503

Sweetspot

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



42, 24.133, 183.502



57, 10.405, 187.373



41, 47.309, 136.700



29, 7.078, 187.196



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 24.133, 183.502



53, 33.197, 181.912



34, 20.457, 250.815



23, 2.577, 188.241



45, 32.370, 179.314



88, 55.749, 178.465

Inverse Universe

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



27, 33.602, 18.290



32, 50.194, 23.252



32, 28.768, 54.991



22, 2.684, 9.511



24, 54.530, 32.171



52, 96.161, 35.175

Previews

White Background



This preview shows how the CIELCh color 42, 24.133, 183.503 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 42, 24.133, 183.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

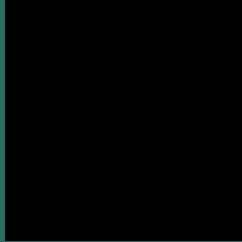
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 24.133, 183.503

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.133, 183.503.



This preview shows how white text looks on a background with the CIELCh color 42, 24.133, 183.503.

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
42, 24.133, 183.503

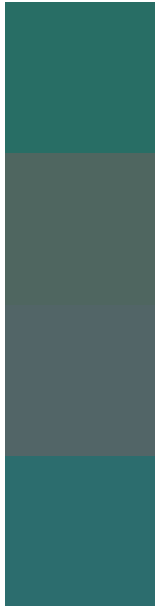
Protanopia
42, 2.716, 81.853

Deuteranopia
42, 6.387, 331.049



Tritanopia
42, 19.977, 211.432

Trichromacy



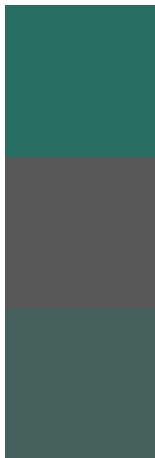
Original Color
42, 24.133, 183.503

Protanomaly
41, 9.976, 176.750

Deuteranomaly
41, 7.511, 207.884

Tritanomaly
42, 21.188, 198.659

Monochromacy



Original Color
42, 24.133, 183.503

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 10.469, 187.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.133, 183.503 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(40, 110, 101)` looks like.

```
.text, #text, p{  
    color:rgb(40, 110, 101)  
}
```

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(40, 110, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 110, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.133, 183.503 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(40, 110, 101) }
```

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

```
.border{ border-color:rgb(40, 110, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 110, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 110, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 110, 101);  
box-shadow:4px 4px 4px 4px rgb(40, 110,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.133, 183.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 110, 101) }
```

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

```
.background{ background-color: rgb(40, 110,  
101) }
```

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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