

Converting Colors

CIELCh(42, 26.070, 233.811)

Have a look what the booklet for
CIELCh(42, 26.070, 233.811)
contains.

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Color

CIELCh(42, 26.039, 233.263)

Conversions

Conversions Part 1

Format	Color
Hex	116C85
RGB	17, 108, 133
RGB Percent	7%, 42%, 52%
CMY	0.9346, 0.5770, 0.4790
CMYK	0.87, 0.19, 0.00, 0.48
HSL	193°, 78%, 29%
HSV	193°, 87%, 52%
XYZ	9.7958, 12.5000, 24.0324
YIQ	83.6410, -62.2610, -11.5170

Conversions

Conversions Part 2

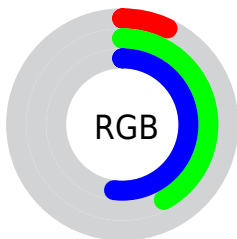
Format	Color
R_{YB}	17, 68, 133
Decimal	1141893
CIE _{Lab}	42.00, -15.58, -20.87
CIE _{LCh}	42, 26.039, 233.263
Yxy	12.5000, 0.2114, 0.2698
Android (android.graphics.Color)	4279331973 (0xFF116C85)
YUV	83.6410, 24.3340, -58.4442
Hunter-Lab	35.3553, -12.4154, -15.5530

Details

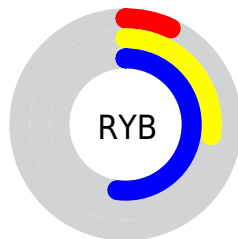
The CIELCh color **42, 26.039, 233.263** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 52.231, 43.536**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.974, 232.330**, and **23, 20.350, 247.286** is the 20% darker color. If you saturate the color by 10%, you get **41, 26.973, 236.729**, and if you desaturate by 10%, it is **43, 24.752, 230.309**.

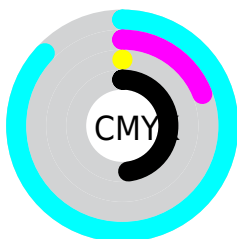
Distribution



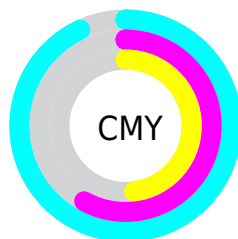
- Red (7%)
- Green (42%)
- Blue (52%)



- Red (7%)
- Yellow (27%)
- Blue (52%)



- Cyan (87%)
- Magenta (19%)
- Yellow (0%)
- Black (48%)



- Cyan (93%)
- Magenta (58%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 26.039, 233.263 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, 26.039, 233.263 by changing the saturation by 10% instead.


 42, 26.039,
233.263


 42, 26.039,
233.263


 100, 26.039,
233.263

 32, 26.039,
233.263

 62, 26.039,
233.263


 22, 26.039,
233.263

 72, 26.039,
233.263

 12, 26.039,
233.263

 82, 26.039,
233.263

 2, 26.039, 233.263

 92, 26.039,
233.263

 0, 26.039, 233.263

 42, 26.039,

 42, 26.039,

233.263

■ 41, 26.973,
236.729

■ 41, 27.215,
237.606

233.263

■ 43, 24.752,
230.309

■ 44, 22.988,
227.926

■ 46, 20.728,
226.041

■ 47, 17.988,
224.574

■ 49, 14.811,
223.452

■ 51, 11.252,
222.611

■ 52, 7.370, 222.000

■ 54, 3.226, 221.616

Harmonies

Complementary

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



42, 26.039, 233.263



31, 52.231, 43.536

Rectangle

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



42, 26.039, 233.263



42, 26.039, 283.263



42, 26.039, 53.263



42, 26.039, 103.263

Sweetspot

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



42, 26.038, 233.263



65, 13.287, 222.550



48, 63.569, 140.884



33, 8.883, 222.763



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



42, 26.038, 233.263



53, 33.178, 238.642



24, 53.251, 293.379



27, 2.430, 221.659



40, 26.792, 237.513



0, 0.595, 221.262

Inverse Universe

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



31, 58.585, 337.432



39, 73.344, 339.031



44, 47.417, 81.854



26, 4.539, 331.585



29, 59.653, 338.706



0, 1.080, 331.060

Previews

White Background



This preview shows how the CIE LCh color 42, 26.039, 233.263 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, 26.039, 233.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

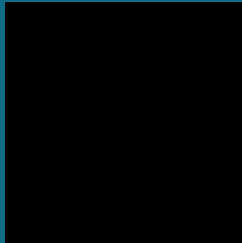
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.039, 233.263

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.039, 233.263.

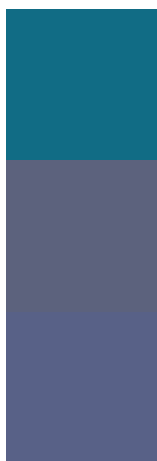


This preview shows how white text looks on a background with the CIELCh color 42, 26.039, 233.263.

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, 26.039, 233.263

Protanopia

42, 16.410, 284.871

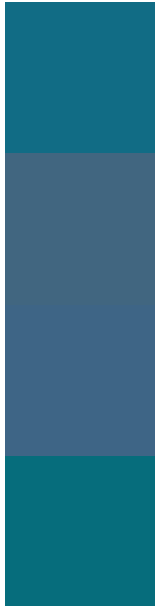
Deuteranopia

42, 23.090, 285.781



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 26.039, 233.263

Protanomaly
42, 19.364, 253.499

Deuteranomaly
41, 22.836, 260.577

Tritanomaly
42, 25.525, 217.981

Monochromacy



Original Color
42, 26.039, 233.263

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 12.982, 223.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.039, 233.263 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(17, 108, 133)` looks like.

```
.text, #text, p{  
    color:rgb(17, 108, 133)  
}
```

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(17, 108, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 108, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.039, 233.263 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(17, 108, 133) }
```

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

```
.border{ border-color:rgb(17, 108, 133) }
```

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

Here you see how a box with a 4 pixel rgb(17, 108, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 108, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 108, 133);  
box-shadow:4px 4px 4px 4px rgb(17, 108,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.039, 233.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 108, 133) }
```

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

```
.background{ background-color: rgb(17, 108,  
133) }
```

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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