

Converting Colors

CIELCh(34, 23.504, 233.618)

Have a look what the booklet for
CIELCh(34, 23.504, 233.618)
contains.

CIELCh(34, 23.417, 233.907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 23.417, 233.907)

Conversions

Conversions Part 1

Format	Color
Hex	01576D
RGB	1, 87, 109
RGB Percent	0%, 34%, 43%
CMY	0.9960, 0.6571, 0.5708
CMYK	0.99, 0.20, 0.00, 0.57
HSL	192°, 98%, 22%
HSV	192°, 99%, 43%
XYZ	6.2415, 8.0082, 15.8140
YIQ	63.7940, -58.3180, -11.3900

Conversions

Conversions Part 2

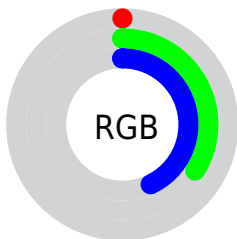
Format	Color
RYB	1, 49, 109
Decimal	87917
CIELab	34.00, -13.79, -18.92
CIElCh	34, 23.417, 233.907
Yxy	8.0082, 0.2076, 0.2664
Android (android.graphics.Color)	4278277997 (0xFF01576D)
YUV	63.7940, 22.2866, -55.0703
Hunter-Lab	28.2988, -10.1533, -13.3234

Details

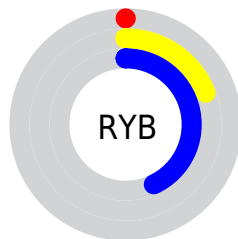
The CIELCh color **34, 23.417, 233.907** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 50.137, 42.812**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 23.511, 234.317**, and **15, 16.932, 250.808** is the 20% darker color. If you saturate the color by 10%, you get **34, 23.498, 234.181**, and if you desaturate by 10%, it is **35, 22.587, 230.884**.

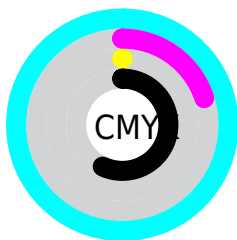
Distribution



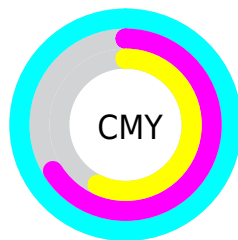
- Red (0%)
- Green (34%)
- Blue (43%)



- Red (0%)
- Yellow (19%)
- Blue (43%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (57%)





- Cyan (100%)
- Magenta (66%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 23.417, 233.907 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 34, 23.417, 233.907 by changing the saturation by 10% instead.


 34, 23.417,
233.907


 34, 23.417,
233.907

 100, 23.417,
233.907


 24, 23.417,
233.907

 54, 23.417,
233.907


 14, 23.417,
233.907

 64, 23.417,
233.907

 4, 23.417, 233.907

 74, 23.417,
233.907

 0, 23.417, 233.907

 84, 23.417,
233.907

 94, 23.417,
233.907

■ 34, 23.417,
233.907

■ 34, 23.417,
233.907

■ 34, 23.498,
234.181

■ 35, 22.587,
230.884

■ 36, 21.536,
228.165

■ 37, 20.072,
225.971

■ 38, 18.180,
224.237

■ 39, 15.874,
222.888

■ 41, 13.192,
221.859

■ 42, 10.178,
221.091

■ 43, 6.883, 220.538

Harmonies

Complementary

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



34, 23.417, 233.907



23, 50.137, 42.812

Rectangle

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



34, 23.417, 233.907



34, 23.417, 283.907



34, 23.417, 53.907



34, 23.417, 103.907

Sweetspot

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



34, 23.416, 233.907



54, 12.989, 221.209



40, 58.908, 139.517



27, 8.704, 221.437



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



34, 23.416, 233.907



44, 28.517, 235.333



17, 52.002, 296.396



22, 2.045, 220.184



36, 24.700, 234.505



73, 42.750, 237.010

Inverse Universe

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



24, 53.157, 337.690



32, 64.315, 338.091



35, 44.220, 80.217



21, 3.827, 331.128



26, 55.961, 337.862



55, 95.479, 338.563

Previews

White Background



This preview shows how the CIELCh color 34, 23.417, 233.907 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 34, 23.417, 233.907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

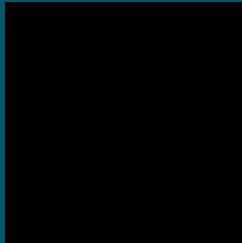
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 23.417, 233.907

Background



This preview shows how black text looks on a background with the CIELCh color 34, 23.417, 233.907.

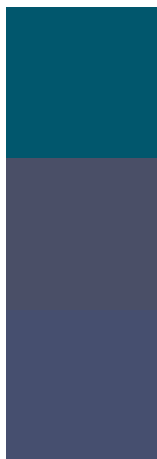


This preview shows how white text looks on a background with the CIELCh color 34, 23.417, 233.907.

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

34, 23.353, 234.028

Protanopia

34, 15.120, 285.566

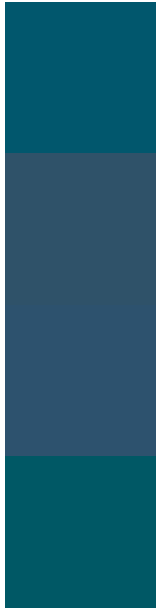
Deuteranopia

34, 20.200, 284.434



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 23.353, 234.028

Protanomaly
33, 17.995, 252.580

Deuteranomaly
33, 20.542, 258.307

Tritanomaly
34, 22.307, 218.622

Monochromacy



Original Color
34, 23.353, 234.028

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 12.563, 222.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 23.417, 233.907 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(1, 87, 109)` looks like.

```
.text, #text, p{  
    color:rgb(1, 87, 109)  
}
```

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(1, 87, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 87, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 23.417, 233.907 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(1, 87, 109) }
```

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

```
.border{ border-color:rgb(1, 87, 109) }
```

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

Here you see how a box with a 4 pixel rgb(1, 87, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 87, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 87, 109);  
box-shadow:4px 4px 4px 4px rgb(1, 87, 109)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 23.417, 233.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 87, 109) }
```

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

```
.background{ background-color: rgb(1, 87,  
109) }
```

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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