

Converting Colors

CIELCh(35, 23.634, 231.350)

Have a look what the booklet for
CIELCh(35, 23.634, 231.350)
contains.

CIELCh(35, 23.634, 231.350)	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(35, 23.634, 231.350)

Conversions

Conversions Part 1

Format	Color
Hex	005A6F
RGB	0, 90, 111
RGB Percent	0%, 35%, 44%
CMY	0.9982, 0.6463, 0.5640
CMYK	1.00, 0.19, 0.00, 0.56
HSL	191°, 99%, 22%
HSV	191°, 100%, 44%
XYZ	6.5571, 8.4984, 16.3891
YIQ	65.4840, -60.3810, -12.5490

Conversions

Conversions Part 2

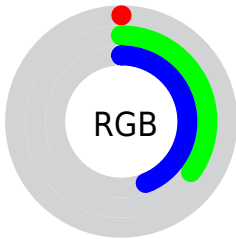
Format	Color
RYB	0, 50, 111
Decimal	23151
CIELab	35.00, -14.76, -18.46
CIELCh	35, 23.634, 231.350
Yxy	8.4984, 0.2085, 0.2703
Android (android.graphics.Color)	4278213231 (0xFF005A6F)
YUV	65.4840, 22.4394, -57.4295
Hunter-Lab	29.1520, -10.8662, -12.9262

Details

The CIELCh color **35, 23.634, 231.350** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 51.343, 42.363**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 23.670, 232.115**, and **16, 17.133, 249.392** is the 20% darker color. If you saturate the color by 10%, you get **35, 23.666, 231.461**, and if you desaturate by 10%, it is **36, 22.867, 228.513**.

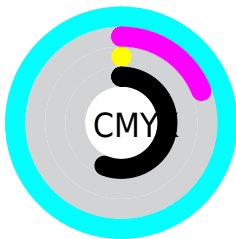
Distribution



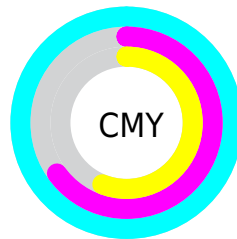
- Red (0%)
- Green (35%)
- Blue (44%)



- Red (0%)
- Yellow (20%)
- Blue (44%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (56%)





- Cyan (100%)
- Magenta (65%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 23.634, 231.350 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 35, 23.634, 231.350 by changing the saturation by 10% instead.


 35, 23.634,
231.350


 35, 23.634,
231.350

 100, 23.634,
231.350


 25, 23.634,
231.350

 55, 23.634,
231.350


 15, 23.634,
231.350


 65, 23.634,
231.350

 5, 23.634, 231.350

 75, 23.634,
231.350

 0, 23.634, 231.350

 85, 23.634,
231.350

 95, 23.634,
231.350

■ 35, 23.634,
231.350

■ 35, 23.634,
231.350

■ 35, 23.666,
231.461

■ 36, 22.867,
228.513

■ 37, 21.879,
225.949

■ 38, 20.457,
223.891

■ 39, 18.587,
222.271

■ 40, 16.286,
221.021

■ 41, 13.588,
220.076

■ 43, 10.544,
219.382

■ 44, 7.204, 218.893

Harmonies

Complementary

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



35, 23.634, 231.350



23, 51.343, 42.363

Rectangle

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



35, 23.634, 231.350



35, 23.634, 281.350



35, 23.634, 51.350



35, 23.634, 101.350

Sweetspot

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



35, 23.633, 231.350



55, 13.257, 219.454



40, 60.338, 139.042



28, 9.009, 219.665



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



35, 23.633, 231.350



46, 28.742, 232.534



17, 51.655, 295.697



23, 2.142, 218.587



38, 24.975, 231.785



75, 42.802, 234.067

Inverse Universe

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



24, 54.359, 337.001



33, 65.776, 337.323



35, 44.766, 78.603



22, 4.018, 330.664



26, 57.360, 337.121



56, 97.200, 337.741

Previews

White Background



This preview shows how the CIELCh color 35, 23.634, 231.350 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 35, 23.634, 231.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

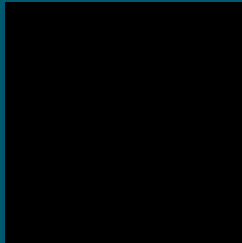
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 23.634, 231.350

Background



This preview shows how black text looks on a background with the CIELCh color 35, 23.634, 231.350.



This preview shows how white text looks on a background with the CIELCh color 35, 23.634, 231.350.

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

35, 23.634, 231.350

Protanopia

35, 14.413, 285.013

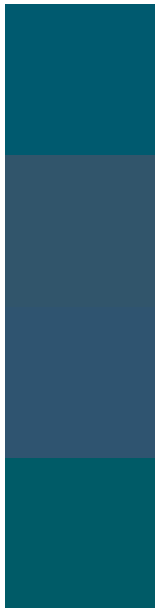
Deuteranopia

35, 20.078, 285.296



Tritanopia
35, 22.996, 207.719

Trichromacy



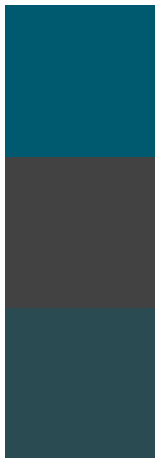
Original Color
35, 23.634, 231.350

Protanomaly
34, 17.704, 249.951

Deuteranomaly
34, 20.513, 258.036

Tritanomaly
35, 22.767, 216.289

Monochromacy



Original Color
35, 23.634, 231.350

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 12.698, 218.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 23.634, 231.350 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(0, 90, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 111)  
}
```

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(0, 90, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 23.634, 231.350 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(0, 90, 111) }
```

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

```
.border{ border-color:rgb(0, 90, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 90, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 90, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 90, 111)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 23.634, 231.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 90, 111) }
```

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

```
.background{ background-color: rgb(0, 90,  
111) }
```

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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