

Converting Colors

CIELCh(35, 23.390, 225.804)

Have a look what the booklet for
CIELCh(35, 23.390, 225.804)
contains.

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Color

CIELCh(35, 23.157, 224.637)

Conversions

Conversions Part 1

Format	Color
Hex	005B6C
RGB	0, 91, 108
RGB Percent	0%, 36%, 42%
CMY	1.0000, 0.6444, 0.5778
CMYK	1.00, 0.16, 0.00, 0.58
HSL	189°, 100%, 21%
HSV	189°, 100%, 42%
XYZ	6.3938, 8.4984, 15.3990
YIQ	65.7290, -59.6930, -14.0050

Conversions

Conversions Part 2

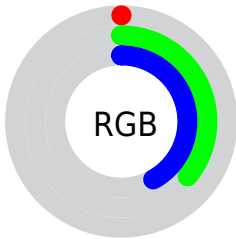
Format	Color
RYB	0, 49, 108
Decimal	23404
CIELab	35.00, -16.48, -16.27
CIELCh	35, 23.157, 224.637
Yxy	8.4984, 0.2111, 0.2806
Android (android.graphics.Color)	4278213484 (0xFF005B6C)
YUV	65.7290, 20.8396, -57.6443
Hunter-Lab	29.1520, -11.8662, -10.9124

Details

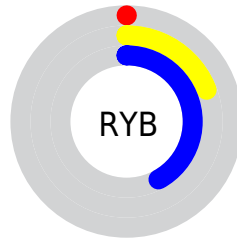
The CIELCh color **35, 23.157, 224.637** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 50.619, 40.970**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 23.131, 224.476**, and **17, 16.140, 241.926** is the 20% darker color. If you saturate the color by 10%, you get **35, 23.106, 224.707**, and if you desaturate by 10%, it is **36, 22.446, 222.443**.

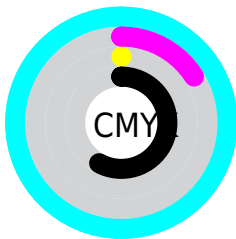
Distribution



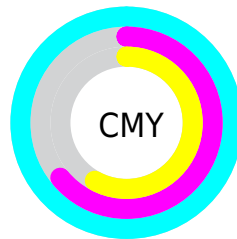
- Red (0%)
- Green (36%)
- Blue (42%)



- Red (0%)
- Yellow (19%)
- Blue (42%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (58%)





- Cyan (100%)
- Magenta (64%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 23.157, 224.637 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, 23.157, 224.637 by changing the saturation by 10% instead.


 35, 23.157,
224.637


 35, 23.157,
224.637

 100, 23.157,
224.637


 25, 23.157,
224.637

 55, 23.157,
224.637


 15, 23.157,
224.637


 65, 23.157,
224.637

 5, 23.157, 224.637

 75, 23.157,
224.637

 0, 23.157, 224.637

 85, 23.157,
224.637

 95, 23.157,
224.637

■ 35, 23.157,
224.637

■ 35, 23.157,
224.637

■ 35, 23.106,
224.707

■ 36, 22.446,
222.443

■ 36, 21.570,
220.380

■ 37, 20.242,
218.742

■ 38, 18.453,
217.474

■ 39, 16.220,
216.516

■ 40, 13.582,
215.816

■ 42, 10.588,
215.330

■ 43, 7.291, 215.020

Harmonies

Complementary

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



35, 23.157, 224.637



22, 50.619, 40.970

Rectangle

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



35, 23.157, 224.637



35, 23.157, 274.637



35, 23.157, 44.637



35, 23.157, 94.637

Sweetspot

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



35, 23.106, 224.707



53, 13.114, 215.363



39, 59.991, 138.374



27, 8.911, 215.502



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



35, 23.106, 224.707



45, 27.918, 225.600



18, 47.884, 293.691



22, 2.101, 214.874



38, 24.552, 225.017



77, 42.214, 226.954

Inverse Universe

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



23, 54.478, 335.275



32, 65.653, 335.503



33, 43.756, 75.659



21, 3.952, 329.574



26, 57.836, 335.354



56, 98.844, 335.851

Previews

White Background



This preview shows how the CIE LCh color 35, 23.157, 224.637 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, 23.157, 224.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

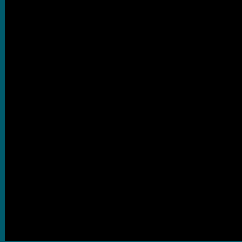
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 23.157, 224.637

Background



This preview shows how black text looks on a background with the CIELCh color 35, 23.157, 224.637.

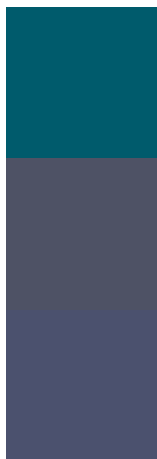


This preview shows how white text looks on a background with the CIELCh color 35, 23.157, 224.637.

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, 23.157, 224.637

Protanopia

35, 11.914, 284.681

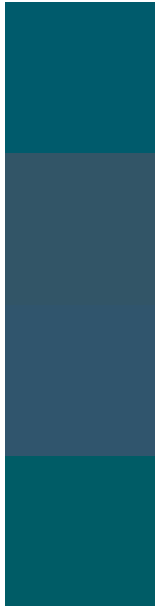
Deuteranopia

35, 18.168, 286.237



Tritanopia
35, 22.996, 207.719

Trichromacy



Original Color
35, 23.157, 224.637

Protanomaly
34, 15.977, 243.548

Deuteranomaly
34, 18.702, 252.409

Tritanomaly
35, 22.907, 212.742

Monochromacy



Original Color
35, 23.157, 224.637

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 12.592, 215.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 23.157, 224.637 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, 91, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 108)  
}
```

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, 91, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 23.157, 224.637 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, 91, 108) }
```

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

```
.border{ border-color:rgb(0, 91, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 91, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 91, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 91, 108)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 23.157, 224.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 108) }
```

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

```
.background{ background-color: rgb(0, 91,  
108) }
```

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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