

Converting Colors

CIELCh(35, 31.717, 215.063)

Have a look what the booklet for
CIELCh(35, 31.717, 215.063)
contains.

CIELCh(36, 23.628, 223.862)	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(36, 23.628, 223.862)

Conversions

Conversions Part 1

Format	Color
Hex	005D6E
RGB	0, 93, 110
RGB Percent	0%, 36%, 43%
CMY	1.0000, 0.6340, 0.5674
CMYK	1.00, 0.15, 0.00, 0.57
HSL	189°, 100%, 22%
HSV	189°, 100%, 43%
XYZ	6.7543, 9.0082, 16.2228
YIQ	67.1310, -60.8850, -14.4290

Conversions

Conversions Part 2

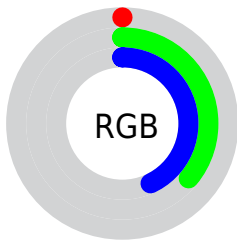
Format	Color
RYB	0, 50, 110
Decimal	23918
CIELab	36.00, -17.04, -16.37
CIELCh	36, 23.628, 223.862
Yxy	9.0082, 0.2112, 0.2816
Android (android.graphics.Color)	4278213998 (0xFF005D6E)
YUV	67.1310, 21.1344, -58.8739
Hunter-Lab	30.0136, -12.3539, -11.0377

Details

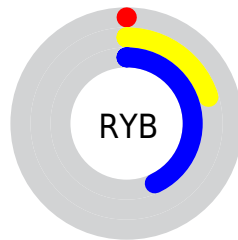
The CIELCh color **36, 23.628, 223.862** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 51.797, 41.004**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 23.570, 223.812**, and **17, 16.099, 238.236** is the 20% darker color. If you saturate the color by 10%, you get **36, 23.520, 224.004**, and if you desaturate by 10%, it is **37, 22.877, 221.773**.

Distribution



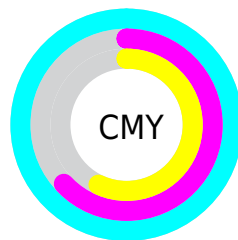
- Red (0%)
- Green (36%)
- Blue (43%)



- Red (0%)
- Yellow (20%)
- Blue (43%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (57%)





- Cyan (100%)
- Magenta (63%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.628, 223.862 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 36, 23.628, 223.862 by changing the saturation by 10% instead.


 36, 23.628,
223.862


 36, 23.628,
223.862

 100, 23.628,
223.862


 26, 23.628,
223.862

 56, 23.628,
223.862


 16, 23.628,
223.862


 66, 23.628,
223.862

 6, 23.628, 223.862

 76, 23.628,
223.862

 0, 23.628, 223.862

 86, 23.628,
223.862

 96, 23.628,
223.862

■ 36, 23.628,
223.862

■ 36, 23.628,
223.862

■ 36, 23.520,
224.004

■ 37, 22.877,
221.773

■ 37, 22.002,
219.755

■ 38, 20.661,
218.156

■ 39, 18.845,
216.921

■ 40, 16.572,
215.992

■ 41, 13.881,
215.317

■ 43, 10.824,
214.852

■ 44, 7.456, 214.562

Harmonies

Complementary

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



36, 23.628, 223.862



23, 51.797, 41.004

Rectangle

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



36, 23.628, 223.862



36, 23.628, 273.862



36, 23.628, 43.862



36, 23.628, 93.862

Sweetspot

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



36, 23.520, 224.004



54, 13.339, 214.882



40, 61.095, 138.329



27, 8.933, 215.012



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 23.520, 224.004



46, 28.301, 224.839



18, 48.858, 293.804



23, 2.190, 214.436



39, 24.947, 224.291



78, 42.556, 226.122

Inverse Universe

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



24, 55.560, 335.097



32, 66.700, 335.309



34, 44.510, 75.572



22, 4.121, 329.452



27, 58.884, 335.170



57, 99.915, 335.637

Previews

White Background



This preview shows how the CIE LCh color 36, 23.628, 223.862 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 36, 23.628, 223.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

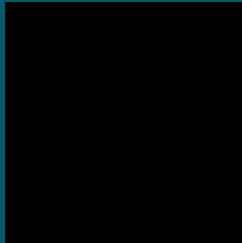
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 23.628, 223.862

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.628, 223.862.

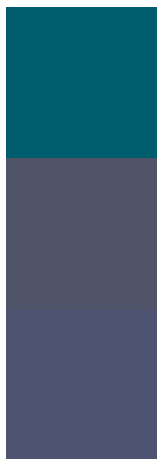


This preview shows how white text looks on a background with the CIELCh color 36, 23.628, 223.862.

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

36, 23.471, 224.116

Protanopia

36, 12.479, 285.128

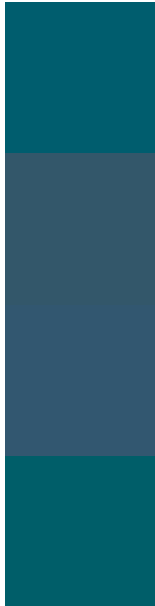
Deuteranopia

36, 18.678, 287.595



Tritanopia
36, 23.301, 209.141

Trichromacy



Original Color
36, 23.471, 224.116

Protanomaly
35, 16.522, 244.534

Deuteranomaly
35, 19.115, 253.631

Tritanomaly
36, 23.255, 214.079

Monochromacy



Original Color
36, 23.471, 224.116

Achromatopsia
28, 0.004, 296.813

Achromatomaly
31, 12.878, 215.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.628, 223.862 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, 93, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 110)  
}
```

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, 93, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.628, 223.862 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, 93, 110) }
```

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

```
.border{ border-color:rgb(0, 93, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 110)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.628, 223.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 110) }
```

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

```
.background{ background-color: rgb(0, 93,  
110) }
```

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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