

Converting Colors

CIELCh(36, 24.320, 233.774)

Have a look what the booklet for
CIELCh(36, 24.320, 233.774)
contains.

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Color

CIELCh(36, 24.399, 233.557)

Conversions

Conversions Part 1

Format	Color
Hex	005D74
RGB	0, 93, 116
RGB Percent	0%, 36%, 45%
CMY	1.0000, 0.6369, 0.5468
CMYK	1.00, 0.20, 0.00, 0.55
HSL	192°, 100%, 23%
HSV	192°, 100%, 45%
XYZ	7.0061, 9.0082, 17.7634
YIQ	67.8150, -62.8110, -12.5630

Conversions

Conversions Part 2

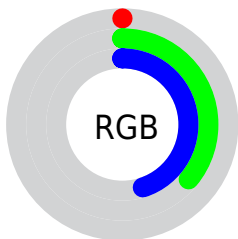
Format	Color
RYB	0, 52, 116
Decimal	23924
CIELab	36.00, -14.49, -19.63
CIELCh	36, 24.399, 233.557
Yxy	9.0082, 0.2074, 0.2667
Android (android.graphics.Color)	4278214004 (0xFF005D74)
YUV	67.8150, 23.7552, -59.4738
Hunter-Lab	30.0136, -10.8562, -14.0810

Details

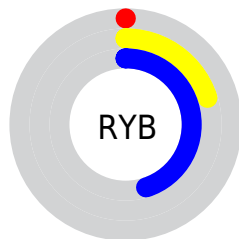
The CIELCh color **36, 24.399, 233.557** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 53.140, 42.966**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 24.520, 233.922**, and **18, 18.259, 251.399** is the 20% darker color. If you saturate the color by 10%, you get **36, 24.398, 233.558**, and if you desaturate by 10%, it is **37, 23.589, 230.521**.

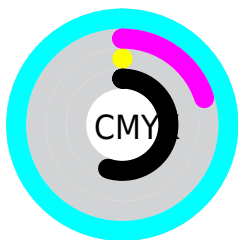
Distribution



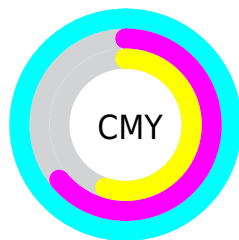
- Red (0%)
- Green (36%)
- Blue (45%)



- Red (0%)
- Yellow (20%)
- Blue (45%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (55%)




- Cyan (100%)
- Magenta (64%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 24.399, 233.557 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, 24.399, 233.557 by changing the saturation by 10% instead.


 36, 24.399,
233.557


 36, 24.399,
233.557

 100, 24.399,
233.557


 26, 24.399,
233.557

 56, 24.399,
233.557

 16, 24.399,
233.557


 66, 24.399,
233.557

 6, 24.399, 233.557

 76, 24.399,
233.557

 0, 24.399, 233.557

 86, 24.399,
233.557

 96, 24.399,
233.557

■ 36, 24.399,
233.557

■ 36, 24.399,
233.557

■ 36, 24.398,
233.558

■ 37, 23.589,
230.521

■ 38, 22.567,
227.765

■ 39, 21.109,
225.543

■ 40, 19.197,
223.787

■ 41, 16.843,
222.424

■ 43, 14.083,
221.386

■ 44, 10.966,
220.613

■ 46, 7.545, 220.060

Harmonies

Complementary

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



36, 24.399, 233.557



25, 53.140, 42.966

Rectangle

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



36, 24.399, 233.557



36, 24.399, 283.557



36, 24.399, 53.557



36, 24.399, 103.557

Sweetspot

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



36, 24.398, 233.558



57, 13.574, 220.665



42, 62.271, 138.924



29, 9.222, 220.902



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 24.398, 233.558



47, 29.581, 234.631



18, 53.578, 295.974



24, 2.212, 219.683



38, 25.431, 233.811



75, 43.326, 236.130

Inverse Universe

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



25, 55.552, 337.601



34, 66.973, 337.896



37, 46.156, 78.422



23, 4.144, 330.990



27, 57.829, 337.671



57, 97.271, 338.314

Previews

White Background



This preview shows how the CIELCh color 36, 24.399, 233.557 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, 24.399, 233.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

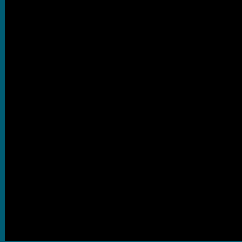
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

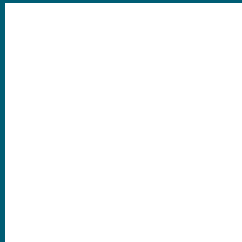
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 24.399, 233.557

Background



This preview shows how black text looks on a background with the CIELCh color 36, 24.399, 233.557.

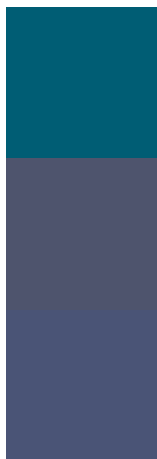


This preview shows how white text looks on a background with the CIELCh color 36, 24.399, 233.557.

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, 24.457, 233.451

Protanopia

36, 15.618, 284.473

Deuteranopia

36, 21.256, 284.084



Tritanopia
36, 23.301, 209.141

Trichromacy



Original Color
36, 24.457, 233.451

Protanomaly
35, 18.683, 252.171

Deuteranomaly
35, 21.777, 258.358

Tritanomaly
36, 23.200, 219.220

Monochromacy



Original Color
36, 24.457, 233.451

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 13.108, 220.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 24.399, 233.557 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 24.399, 233.557 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, 116) }
```

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

```
.border{ border-color:rgb(0, 93, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 116)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 24.399, 233.557 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, 116) }
```

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

```
.background{ background-color: rgb(0, 93,  
116) }
```

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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