

Converting Colors

CIELCh(36, 24.196, 231.220)

Have a look what the booklet for
CIELCh(36, 24.196, 231.220)
contains.

CIELCh(36, 24.065, 230.423)	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, 24.065, 230.423)

Conversions

Conversions Part 1

Format	Color
Hex	005D72
RGB	0, 93, 114
RGB Percent	0%, 36%, 45%
CMY	1.0000, 0.6359, 0.5536
CMYK	1.00, 0.18, 0.00, 0.55
HSL	191°, 100%, 22%
HSV	191°, 100%, 45%
XYZ	6.9224, 9.0082, 17.2424
YIQ	67.5870, -62.1690, -13.1850

Conversions

Conversions Part 2

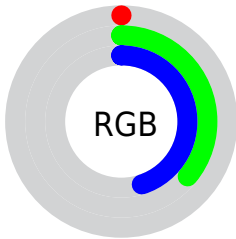
Format	Color
RYB	0, 51, 114
Decimal	23922
CIELab	36.00, -15.33, -18.55
CIELCh	36, 24.065, 230.423
Yxy	9.0082, 0.2087, 0.2716
Android (android.graphics.Color)	4278214002 (0xFF005D72)
YUV	67.5870, 22.8816, -59.2738
Hunter-Lab	30.0136, -11.3542, -13.0517

Details

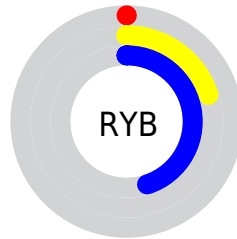
The CIELCh color **36, 24.065, 230.423** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 52.708, 42.312**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 24.069, 231.305**, and **18, 17.452, 247.369** is the 20% darker color. If you saturate the color by 10%, you get **36, 24.041, 230.462**, and if you desaturate by 10%, it is **37, 23.299, 227.678**.

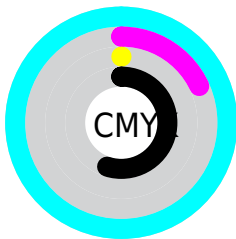
Distribution



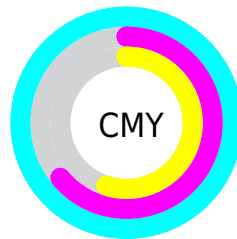
- Red (0%)
- Green (36%)
- Blue (45%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (55%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 24.065, 230.423 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, 24.065, 230.423 by changing the saturation by 10% instead.


 36, 24.065,
230.423


 36, 24.065,
230.423

 100, 24.065,
230.423

 26, 24.065,
230.423

 56, 24.065,
230.423

 16, 24.065,
230.423

 66, 24.065,
230.423

 6, 24.065, 230.423

 76, 24.065,
230.423

 0, 24.065, 230.423

 86, 24.065,
230.423

 96, 24.065,
230.423

■ 36, 24.065,
230.423

■ 36, 24.065,
230.423

■ 36, 24.041,
230.462

■ 37, 23.299,
227.678

■ 38, 22.336,
225.155

■ 39, 20.925,
223.132

■ 40, 19.052,
221.543

■ 41, 16.731,
220.320

■ 42, 14.000,
219.400

■ 44, 10.907,
218.728

■ 45, 7.508, 218.260

Harmonies

Complementary

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



36, 24.065, 230.423



24, 52.708, 42.312

Rectangle

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



36, 24.065, 230.423



36, 24.065, 280.423



36, 24.065, 50.423



36, 24.065, 100.423

Sweetspot

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



36, 24.041, 230.462



56, 13.481, 218.772



41, 61.556, 138.954



28, 9.032, 218.969



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



36, 24.041, 230.462



47, 29.070, 231.465



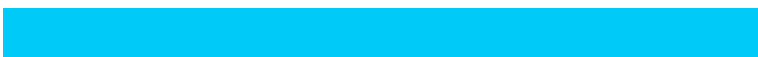
18, 52.906, 295.910



23, 2.148, 217.964



38, 24.947, 230.676



75, 42.719, 232.896

Inverse Universe

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



25, 55.540, 336.768



33, 66.862, 337.035



36, 45.661, 78.469



22, 4.033, 330.481



26, 57.580, 336.825



56, 97.590, 337.421

Previews

White Background



This preview shows how the CIE LCh color 36, 24.065, 230.423 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, 24.065, 230.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

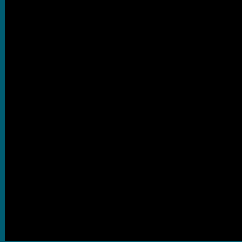
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

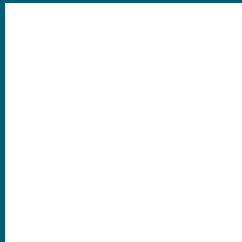
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 24.065, 230.423

Background



This preview shows how black text looks on a background with the CIELCh color 36, 24.065, 230.423.

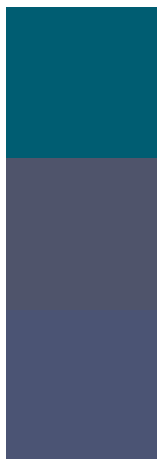


This preview shows how white text looks on a background with the CIELCh color 36, 24.065, 230.423.

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, 24.065, 230.423

Protanopia

36, 14.355, 284.947

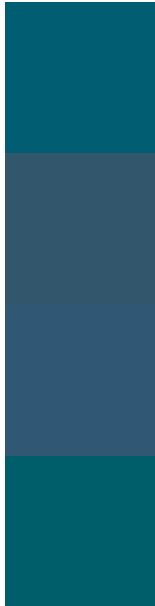
Deuteranopia

36, 20.002, 284.177



Tritanopia
36, 23.301, 209.141

Trichromacy



Original Color
36, 24.065, 230.423

Protanomaly
35, 17.855, 249.053

Deuteranomaly
35, 20.731, 256.461

Tritanomaly
36, 23.275, 215.726

Monochromacy



Original Color
36, 24.065, 230.423

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 12.838, 221.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 24.065, 230.423 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 24.065, 230.423 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, 114) }
```

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

```
.border{ border-color:rgb(0, 93, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 114)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 24.065, 230.423 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, 114) }
```

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

```
.background{ background-color: rgb(0, 93,  
114) }
```

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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