

Converting Colors

CIELCh(30, 21.390, 236.899)

Have a look what the booklet for
CIELCh(30, 21.390, 236.899)
contains.

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Color

CIELCh(30, 21.390, 236.899)

Conversions

Conversions Part 1

Format	Color
Hex	064D62
RGB	6, 77, 98
RGB Percent	2%, 30%, 38%
CMY	0.9761, 0.6979, 0.6155
CMYK	0.94, 0.21, 0.00, 0.62
HSL	194°, 88%, 20%
HSV	194°, 94%, 38%
XYZ	4.9400, 6.2359, 12.5100
YIQ	58.1650, -49.0570, -8.5210

Conversions

Conversions Part 2

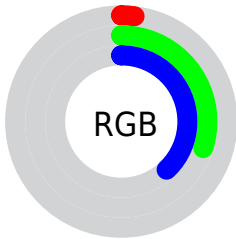
Format	Color
RYB	6, 46, 98
Decimal	413026
CIELab	30.00, -11.68, -17.92
CIELCh	30, 21.390, 236.899
Yxy	6.2359, 0.2086, 0.2633
Android (android.graphics.Color)	4278603106 (0xFF064D62)
YUV	58.1650, 19.6387, -45.7487
Hunter-Lab	24.9718, -8.3894, -12.2219

Details

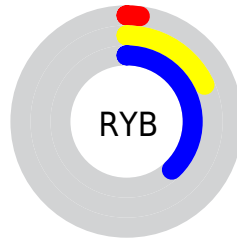
The CIELCh color **30, 21.390, 236.899** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 42.782, 43.486**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 21.532, 237.072**, and **11, 15.670, 255.710** is the 20% darker color. If you saturate the color by 10%, you get **29, 22.001, 238.823**, and if you desaturate by 10%, it is **31, 20.411, 233.728**.

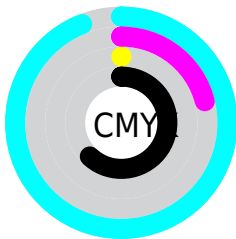
Distribution



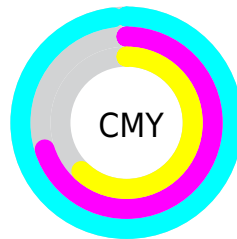
- Red (2%)
- Green (30%)
- Blue (38%)



- Red (2%)
- Yellow (18%)
- Blue (38%)



- Cyan (94%)
- Magenta (21%)
- Yellow (0%)
- Black (62%)





- Cyan (98%)
- Magenta (70%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 21.390, 236.899 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 30, 21.390, 236.899 by changing the saturation by 10% instead.


 30, 21.390,
236.899


 30, 21.390,
236.899

 100, 21.390,
236.899


 20, 21.390,
236.899


 50, 21.390,
236.899


 10, 21.390,
236.899

 60, 21.390,
236.899

 0, 21.390, 236.899

 70, 21.390,
236.899

 80, 21.390,
236.899

 90, 21.390,
236.899

■ 30, 21.390,
236.899

■ 30, 21.390,
236.899

■ 29, 22.001,
238.823

■ 31, 20.411,
233.728

■ 32, 19.135,
231.061

■ 33, 17.500,
228.908

■ 34, 15.508,
227.198

■ 35, 13.180,
225.858

■ 37, 10.552,
224.823

■ 38, 7.664, 224.038

■ 40, 4.560, 223.466

Harmonies

Complementary

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



30, 21.390, 236.899



22, 42.782, 43.486

Rectangle

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



30, 21.390, 236.899



30, 21.390, 286.899



30, 21.390, 56.899



30, 21.390, 106.899

Sweetspot

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



30, 21.389, 236.899



48, 11.032, 224.407



36, 51.853, 140.851



24, 7.477, 224.654



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



30, 21.389, 236.899



38, 26.640, 240.203



15, 45.802, 295.344



19, 1.859, 223.268



34, 24.256, 239.567



70, 42.881, 242.504

Inverse Universe

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



21, 47.381, 338.480



28, 58.274, 339.488



32, 39.385, 82.748



18, 3.454, 332.032



24, 53.291, 339.301



54, 92.241, 340.180

Previews

White Background



This preview shows how the CIE LCh color 30, 21.390, 236.899 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 30, 21.390, 236.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

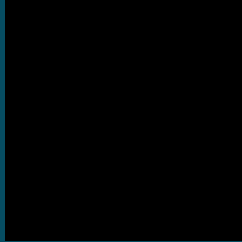
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

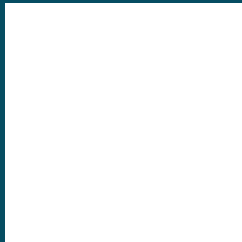
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 21.390, 236.899

Background



This preview shows how black text looks on a background with the CIELCh color 30, 21.390, 236.899.



This preview shows how white text looks on a background with the CIELCh color 30, 21.390, 236.899.

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

30, 21.390, 236.899

Protanopia

30, 14.789, 285.476

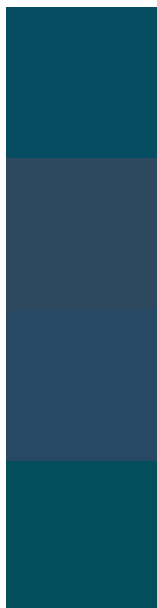
Deuteranopia

30, 19.391, 283.065



Tritanopia
30, 20.719, 207.450

Trichromacy



Original Color
30, 21.390, 236.899

Protanomaly
30, 16.746, 256.630

Deuteranomaly
30, 19.223, 259.512

Tritanomaly
30, 20.375, 219.380

Monochromacy



Original Color
30, 21.390, 236.899

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 10.929, 226.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 21.390, 236.899 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(6, 77, 98)` looks like.

```
.text, #text, p{  
    color:rgb(6, 77, 98)  
}
```

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(6, 77, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 77, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 21.390, 236.899 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(6, 77, 98) }
```

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

```
.border{ border-color:rgb(6, 77, 98) }
```

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

Here you see how a box with a 4 pixel rgb(6, 77, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 77, 98); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 77, 98); box-shadow:4px  
4px 4px 4px rgb(6, 77, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 21.390, 236.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 77, 98) }
```

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

```
.background{ background-color: rgb(6, 77,  
98) }
```

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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