

Converting Colors

CIELCh(29, 21.919, 240.155)

Have a look what the booklet for
CIELCh(29, 21.919, 240.155)
contains.

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Color

CIELCh(29, 21.894, 240.699)

Conversions

Conversions Part 1

Format	Color
Hex	024A61
RGB	2, 74, 97
RGB Percent	1%, 29%, 38%
CMY	0.9927, 0.7081, 0.6179
CMYK	0.98, 0.24, 0.00, 0.62
HSL	194°, 96%, 19%
HSV	194°, 98%, 38%
XYZ	4.6791, 5.8380, 12.2989
YIQ	55.0940, -50.2950, -8.1110

Conversions

Conversions Part 2

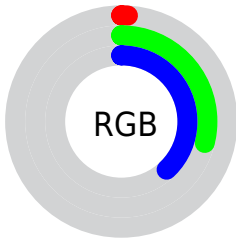
Format	Color
R_{YB}	2, 43, 97
Decimal	150113
CIE _{Lab}	29.00, -10.71, -19.09
CIE _{LCh}	29, 21.894, 240.699
Yxy	5.8380, 0.2051, 0.2559
Android (android.graphics.Color)	4278340193 (0xFF024A61)
YUV	55.0940, 20.6597, -46.5634
Hunter-Lab	24.1619, -7.7156, -13.2665

Details

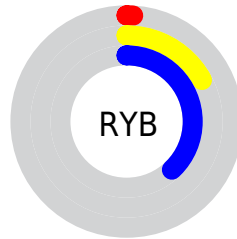
The CIELCh color **29, 21.894, 240.699** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 44.017, 43.968**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 21.926, 240.554**, and **10, 16.514, 262.539** is the 20% darker color. If you saturate the color by 10%, you get **29, 22.100, 241.304**, and if you desaturate by 10%, it is **30, 20.874, 237.369**.

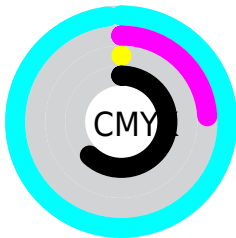
Distribution



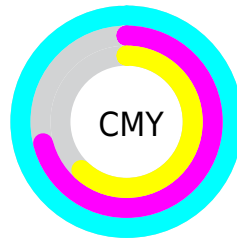
- Red (1%)
- Green (29%)
- Blue (38%)



- Red (1%)
- Yellow (17%)
- Blue (38%)



- Cyan (98%)
- Magenta (24%)
- Yellow (0%)
- Black (62%)



- Cyan (99%)
- Magenta (71%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 21.894, 240.699 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 29, 21.894, 240.699 by changing the saturation by 10% instead.

■ 29, 21.894,
240.699

■ 29, 21.894,
240.699

■ 100, 21.894,
240.699

■ 19, 21.894,
240.699

■ 49, 21.894,
240.699

■ 9, 21.894, 240.699

■ 59, 21.894,
240.699

■ 0, 21.894, 240.699

■ 69, 21.894,
240.699

■ 79, 21.894,
240.699

■ 89, 21.894,
240.699

■ 99, 21.894,

240.699

■ 29, 21.894,
240.699

■ 29, 21.894,
240.699

■ 29, 22.100,
241.304

■ 30, 20.874,
237.369

■ 31, 19.693,
234.314

■ 32, 18.180,
231.817

■ 33, 16.321,
229.810

■ 34, 14.127,
228.220

■ 36, 11.628,
226.974

■ 37, 8.860, 226.011

■ 39, 5.865, 225.282

■ 40, 2.684, 224.779

Harmonies

Complementary

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



29, 21.894, 240.699



21, 44.017, 43.968

Rectangle

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



29, 21.894, 240.699



29, 21.894, 290.699



29, 21.894, 60.699



29, 21.894, 110.699

Sweetspot

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



29, 21.893, 240.699



48, 11.351, 226.166



35, 52.529, 140.754



23, 7.649, 226.435



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



29, 21.893, 240.699



38, 26.912, 242.778



14, 49.053, 297.355



19, 1.851, 224.808



33, 24.490, 242.117



69, 43.414, 245.168

Inverse Universe

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



20, 47.590, 339.622



28, 57.770, 340.264



32, 40.773, 83.585



18, 3.423, 332.495



24, 52.835, 340.062



54, 91.416, 341.012

Previews

White Background



This preview shows how the CIELCh color 29, 21.894, 240.699 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 29, 21.894, 240.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

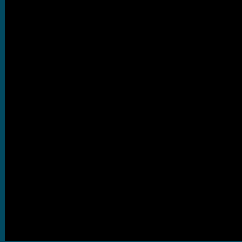
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 21.894, 240.699

Background



This preview shows how black text looks on a background with the CIELCh color 29, 21.894, 240.699.



This preview shows how white text looks on a background with the CIELCh color 29, 21.894, 240.699.

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

29, 21.825, 240.876

Protanopia

29, 15.530, 284.676

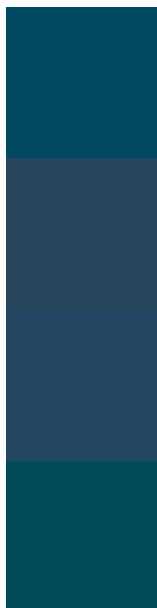
Deuteranopia

29, 20.150, 282.773



Tritanopia
29, 20.172, 207.830

Trichromacy



Original Color
29, 21.825, 240.876

Protanomaly
28, 17.908, 259.275

Deuteranomaly
29, 20.280, 262.560

Tritanomaly
29, 20.039, 222.026

Monochromacy



Original Color
29, 21.825, 240.876

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 10.936, 227.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 21.894, 240.699 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(2, 74, 97)` looks like.

```
.text, #text, p{  
    color:rgb(2, 74, 97)  
}
```

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(2, 74, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 74, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 21.894, 240.699 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(2, 74, 97) }
```

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

```
.border{ border-color:rgb(2, 74, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 74, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 74, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 74, 97); box-shadow:4px  
4px 4px 4px rgb(2, 74, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 21.894, 240.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 74, 97) }
```

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

```
.background{ background-color: rgb(2, 74,  
97) }
```

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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