

Converting Colors

CIELCh(24, 55.113, 223.383)

Have a look what the booklet for
CIELCh(24, 55.113, 223.383)
contains.

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Color

CIELCh(29, 29.197, 263.954)

Conversions

Conversions Part 1

Format	Color
Hex	004871
RGB	0, 72, 113
RGB Percent	0%, 28%, 44%
CMY	1.0000, 0.7170, 0.5565
CMYK	1.00, 0.36, 0.00, 0.56
HSL	202°, 100%, 22%
HSV	202°, 100%, 44%
XYZ	5.2891, 5.8380, 16.4967
YIQ	55.1460, -56.0730, -2.5130

Conversions

Conversions Part 2

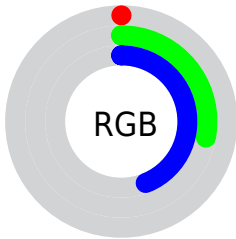
Format	Color
RYB	0, 44, 113
Decimal	18545
CIELab	29.00, -3.08, -29.03
CIELCh	29, 29.197, 263.954
Yxy	5.8380, 0.1915, 0.2113
Android (android.graphics.Color)	4278208625 (0xFF004871)
YUV	55.1460, 28.5220, -48.3630
Hunter-Lab	24.1619, -3.2095, -23.5671

Details

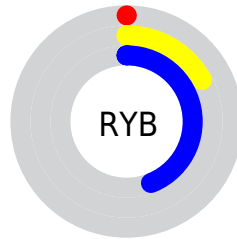
The CIELCh color **29, 29.197, 263.954** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **27, 48.681, 51.757**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 29.168, 264.677**, and **11, 26.572, 283.083** is the 20% darker color. If you saturate the color by 10%, you get **29, 29.127, 264.247**, and if you desaturate by 10%, it is **31, 26.946, 259.964**.

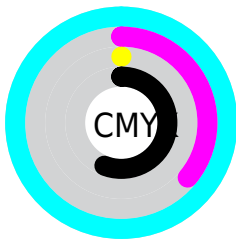
Distribution



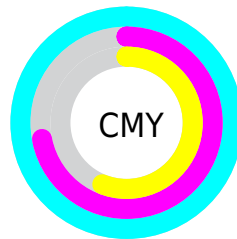
- Red (0%)
- Green (28%)
- Blue (44%)



- Red (0%)
- Yellow (17%)
- Blue (44%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (56%)





- Cyan (100%)
- Magenta (72%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 29.197, 263.954 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, 29.197, 263.954 by changing the saturation by 10% instead.

 29, 29.197,
263.954


 29, 29.197,
263.954

 100, 29.197,
263.954


 19, 29.197,
263.954


 49, 29.197,
263.954


 9, 29.197, 263.954

 59, 29.197,
263.954

 0, 29.197, 263.954

 69, 29.197,
263.954

 79, 29.197,
263.954

 89, 29.197,
263.954

 99, 29.197,

263.954

■ 29, 29.197,
263.954

■ 29, 29.197,
263.954

■ 29, 29.127,
264.247

■ 31, 26.946,
259.964

■ 32, 24.771,
255.767

■ 34, 22.423,
252.140

■ 36, 19.855,
249.081

■ 38, 17.047,
246.542

■ 39, 14.004,
244.454

■ 41, 10.749,
242.747

■ 43, 7.309, 241.359

■ 46, 3.718, 240.252

Harmonies

Complementary

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



29, 29.197, 263.954



27, 48.681, 51.757

Rectangle

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



29, 29.197, 263.954



29, 29.197, 313.954



29, 29.197, 83.954



29, 29.197, 133.954

Sweetspot

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



29, 29.127, 264.247



54, 13.370, 242.872



41, 54.818, 143.795



26, 8.999, 243.391



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



29, 29.127, 264.247



38, 35.970, 265.741



13, 65.173, 302.870



22, 2.080, 240.157



31, 30.483, 264.602



63, 54.076, 267.747

Inverse Universe

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



24, 49.284, 348.442



32, 59.511, 349.184



41, 48.281, 92.602



22, 3.553, 337.475



25, 51.308, 348.616



54, 86.701, 350.232

Previews

White Background



This preview shows how the CIELCh color 29, 29.197, 263.954 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 CIE LCh color 29, 29.197, 263.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

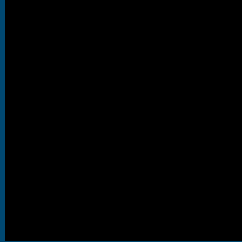
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 29.197, 263.954

Background



This preview shows how black text looks on a background with the CIELCh color 29, 29.197, 263.954.



This preview shows how white text looks on a background with the CIELCh color 29, 29.197, 263.954.

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, 29.161, 264.399

Protanopia

29, 27.160, 285.550

Deuteranopia

29, 29.560, 279.027



Tritanopia
29, 20.422, 205.767

Trichromacy



Original Color
29, 29.161, 264.399

Protanomaly
29, 27.563, 273.979

Deuteranomaly
29, 29.752, 272.547

Tritanomaly
29, 20.871, 231.402

Monochromacy



Original Color
29, 29.161, 264.399

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 13.237, 247.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 29.197, 263.954 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, 72, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 72, 113)  
}
```

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, 72, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 72, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 29.197, 263.954 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, 72, 113) }
```

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

```
.border{ border-color:rgb(0, 72, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 72, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 72, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 72, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 72, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 29.197, 263.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 72, 113) }
```

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

```
.background{ background-color: rgb(0, 72,  
113) }
```

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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