

Converting Colors

CIELCh(29, 35.573, 276.430)

Have a look what the booklet for
CIELCh(29, 35.573, 276.430)
contains.

CIELCh(29, 35.235, 275.928)	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(29, 35.235, 275.928)

Conversions

Conversions Part 1

Format	Color
Hex	0B467B
RGB	11, 70, 123
RGB Percent	4%, 27%, 48%
CMY	0.9560, 0.7266, 0.5189
CMYK	0.91, 0.43, 0.00, 0.52
HSL	209°, 83%, 26%
HSV	209°, 91%, 48%
XYZ	5.8670, 5.8380, 19.4475
YIQ	58.4010, -52.1770, 3.9750

Conversions

Conversions Part 2

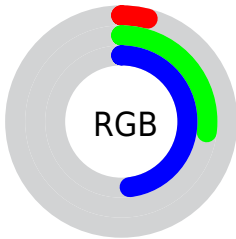
Format	Color
R_{YB}	11, 50, 123
Decimal	738939
CIE _{Lab}	29.00, 3.64, -35.05
CIE _{LCh}	29, 35.235, 275.928
Yxy	5.8380, 0.1883, 0.1874
Android (android.graphics.Color)	4278929019 (0xFF0B467B)
YUV	58.4010, 31.8473, -41.5707
Hunter-Lab	24.1619, 1.0603, -30.8082

Details

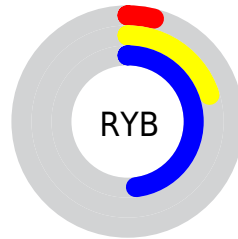
The CIELCh color **29, 35.235, 275.928** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **34, 45.402, 61.425**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 35.233, 275.573**, and **11, 33.357, 289.592** is the 20% darker color. If you saturate the color by 10%, you get **27, 38.655, 279.725**, and if you desaturate by 10%, it is **31, 31.620, 271.711**.

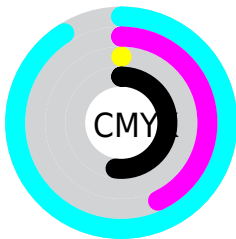
Distribution



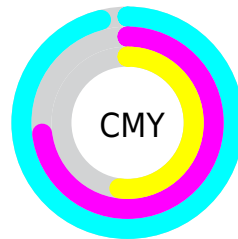
- Red (4%)
- Green (27%)
- Blue (48%)



- Red (4%)
- Yellow (20%)
- Blue (48%)



- Cyan (91%)
- Magenta (43%)
- Yellow (0%)
- Black (52%)





- Cyan (96%)
- Magenta (73%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 35.235, 275.928 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, 35.235, 275.928 by changing the saturation by 10% instead.

 29, 35.235,
275.928


 29, 35.235,
275.928

 100, 35.235,
275.928


 19, 35.235,
275.928


 49, 35.235,
275.928


 9, 35.235, 275.928

 59, 35.235,
275.928

 0, 35.235, 275.928

 69, 35.235,
275.928

 79, 35.235,
275.928

 89, 35.235,
275.928

 99, 35.235,

275.928

■ 29, 35.235,
275.928

■ 29, 35.235,
275.928

■ 27, 38.655,
279.725

■ 31, 31.620,
271.711

■ 33, 28.011,
267.902

■ 36, 24.347,
264.564

■ 38, 20.592,
261.699

■ 41, 16.730,
259.269

■ 43, 12.762,
257.223

■ 46, 8.699, 255.506

■ 49, 4.560, 254.077

■ 51, 0.362, 253.530

Harmonies

Complementary

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



29, 35.235, 275.928



34, 45.402, 61.425

Rectangle

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



29, 35.235, 275.928



29, 35.235, 325.928



29, 35.235, 95.928



29, 35.235, 145.928

Sweetspot

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



29, 35.235, 275.929



57, 13.969, 256.645



45, 49.415, 150.190



29, 9.463, 257.145



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



29, 35.235, 275.929



36, 48.140, 280.991



15, 70.979, 304.376



24, 2.367, 253.853



28, 39.240, 279.822



56, 69.458, 282.495

Inverse Universe

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



26, 48.297, 355.389



34, 60.357, 359.203



49, 52.905, 101.191



24, 3.531, 342.998



26, 50.410, 358.227



55, 84.345, 0.526

Previews

White Background



This preview shows how the CIE LCh color 29, 35.235, 275.928 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, 35.235, 275.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

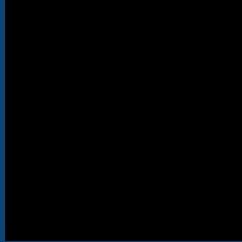
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 35.235, 275.928

Background



This preview shows how black text looks on a background with the CIELCh color 29, 35.235, 275.928.



This preview shows how white text looks on a background with the CIELCh color 29, 35.235, 275.928.

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, 35.257, 275.803

Protanopia
29, 34.253, 285.376

Deuteranopia
29, 35.189, 276.201



Tritanopia
29, 20.238, 205.874

Trichromacy



Original Color
29, 35.257, 275.803

Protanomaly
29, 34.658, 280.899

Deuteranomaly
29, 35.213, 276.061

Tritanomaly
29, 21.395, 239.558

Monochromacy



Original Color
29, 35.257, 275.803

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 14.793, 262.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 35.235, 275.928 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(11, 70, 123)` looks like.

```
.text, #text, p{  
    color:rgb(11, 70, 123)  
}
```

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(11, 70, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 70, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 35.235, 275.928 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(11, 70, 123) }
```

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

```
.border{ border-color:rgb(11, 70, 123) }
```

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

Here you see how a box with a 4 pixel rgb(11, 70, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 70, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 70, 123);  
box-shadow:4px 4px 4px 4px rgb(11, 70,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 35.235, 275.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 70, 123) }
```

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

```
.background{ background-color: rgb(11, 70,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor