

Converting Colors

CIELCh(29, 16.674, 300.096)

Have a look what the booklet for
CIELCh(29, 16.674, 300.096)
contains.

CIELCh(29, 16.933, 299.864)	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, 16.933, 299.864)

Conversions

Conversions Part 1

Format	Color
Hex	46415B
RGB	70, 65, 91
RGB Percent	27%, 25%, 36%
CMY	0.7255, 0.7451, 0.6431
CMYK	0.23, 0.29, 0.00, 0.64
HSL	252°, 17%, 31%
HSV	252°, 29%, 36%
XYZ	6.3044, 5.8380, 10.6921
YIQ	69.4590, -5.3660, 9.1460

Conversions

Conversions Part 2

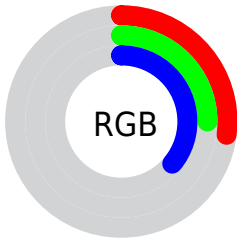
Format	Color
R_{YB}	70, 65, 91
Decimal	4604251
CIE Lab	29.00, 8.43, -14.68
CIE LCh	29, 16.933, 299.864
Yxy	5.8380, 0.2761, 0.2557
Android (android.graphics.Color)	4282794331 (0xFF46415B)
YUV	69.4590, 10.6197, 0.4745
Hunter-Lab	24.1619, 4.2911, -9.3234

Details

The CIELCh color $29, 16.933, 299.864$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $38, 15.972, 115.865$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $49, 16.669, 299.979$, and $9, 16.456, 299.569$ is the 20% darker color. If you saturate the color by 10%, you get $26, 23.265, 300.826$, and if you desaturate by 10%, it is $32, 10.812, 299.010$.

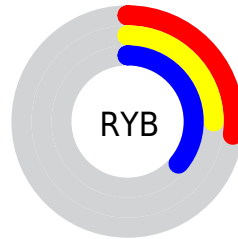
Distribution



Red (27%)

Green (25%)

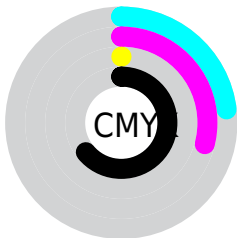
Blue (36%)



Red (27%)

Yellow (25%)

Blue (36%)

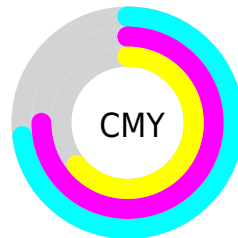


Cyan (23%)

Magenta (29%)

Yellow (0%)

Black (64%)



Cyan (73%)

Magenta (75%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 16.933, 299.864 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, 16.933, 299.864 by changing the saturation by 10% instead.

■ 29, 16.933,
299.864

■ 29, 16.933,
299.864

■ 100, 16.933,
299.864

■ 19, 16.933,
299.864

■ 49, 16.933,
299.864

■ 9, 16.933, 299.864

■ 59, 16.933,
299.864

■ 0, 16.933, 299.864

■ 69, 16.933,
299.864

■ 79, 16.933,
299.864

■ 89, 16.933,
299.864

■ 99, 16.933,

299.864

■ 29, 16.933,
299.864

■ 29, 16.933,
299.864

■ 26, 23.265,
300.826

■ 32, 10.812,
299.010

■ 22, 29.790,
301.896

■ 36, 4.904, 298.261

■ 19, 36.451,
303.054

■ 39, 0.798, 117.614

■ 42, 6.304, 117.040

■ 16, 43.117,
304.254

■ 46, 11.626,
116.544

■ 13, 49.522,
305.406

■ 49, 16.774,
116.115

■ 11, 55.209,
306.365

■ 52, 21.760,
115.741

■ 8, 60.801, 307.485

■ 56, 26.594,
115.417

■ 8, 61.707, 307.704

■ 59, 31.284,
115.135

Harmonies

Complementary

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



29, 16.933, 299.864



38, 15.972, 115.865

Rectangle

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



29, 16.933, 299.864



29, 16.933, 349.864



29, 16.933, 119.864



29, 16.933, 169.864

Sweetspot

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



29, 16.932, 299.863



46, 6.356, 298.311



35, 8.707, 218.469



22, 4.379, 298.380



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



29, 16.932, 299.863



35, 25.125, 300.475



30, 18.184, 316.329



17, 3.231, 298.280



11, 70.505, 307.527



31, 125.065, 307.094

Inverse Universe

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



31, 17.250, 331.927



38, 25.259, 332.330



37, 17.805, 133.979



17, 3.385, 330.730



24, 53.808, 337.163



54, 93.999, 337.873

Previews

White Background



This preview shows how the CIELCh color 29, 16.933, 299.864 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, 16.933, 299.864 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, 16.933, 299.864

Background



This preview shows how black text looks on a background with the CIELCh color 29, 16.933, 299.864.

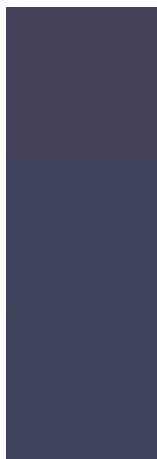


This preview shows how white text looks on a background with the CIELCh color 29, 16.933, 299.864.

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

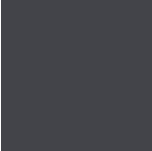
29, 16.933, 299.864

Protanopia

29, 16.831, 285.682

Deuteranopia

29, 15.496, 287.436



Tritanopia
29, 3.882, 284.608

Trichromacy



Original Color
29, 16.933, 299.864

Protanomaly
29, 16.774, 290.722

Deuteranomaly
29, 16.129, 293.179

Tritanomaly
29, 8.404, 294.585

Monochromacy



Original Color
29, 16.933, 299.864

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 5.817, 295.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 16.933, 299.864 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(70, 65, 91)` looks like.

```
.text, #text, p{  
    color:rgb(70, 65, 91)  
}
```

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(70, 65, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 65, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 16.933, 299.864 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(70, 65, 91) }
```

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

```
.border{ border-color:rgb(70, 65, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 65, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 65, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 65, 91);  
box-shadow:4px 4px 4px 4px rgb(70, 65, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 16.933, 299.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 65, 91) }
```

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

```
.background{ background-color: rgb(70, 65,  
91) }
```

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