

Converting Colors

CIELCh(29, 9.243, 316.108)

Have a look what the booklet for
CIELCh(29, 9.243, 316.108) contains.

CIELCh(29, 9.265, 316.115)	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, 9.265, 316.115)

Conversions

Conversions Part 1

Format	Color
Hex	4A414E
RGB	74, 65, 78
RGB Percent	29%, 25%, 31%
CMY	0.7086, 0.7439, 0.6929
CMYK	0.05, 0.17, 0.00, 0.69
HSL	282°, 9%, 28%
HSV	282°, 17%, 31%
XYZ	6.1419, 5.8380, 8.0695
YIQ	69.1730, 1.1910, 5.9510

Conversions

Conversions Part 2

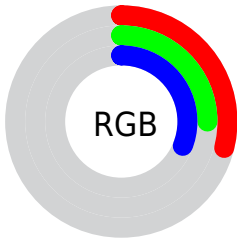
Format	Color
R_YB	74, 65, 78
Decimal	4866382
CIE Lab	29.00, 6.68, -6.42
CIE LCh	29, 9.265, 316.115
Yxy	5.8380, 0.3063, 0.2912
Android (android.graphics.Color)	4283056462 (0xFF4A414E)
YUV	69.1730, 4.3517, 4.2333
Hunter-Lab	24.1619, 3.0907, -2.8880

Details

The CIELCh color **29, 9.265, 316.115** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 9.154, 134.838**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 9.171, 316.614**, and **9, 9.782, 315.807** is the 20% darker color. If you saturate the color by 10%, you get **26, 14.960, 316.514**, and if you desaturate by 10%, it is **32, 3.653, 315.713**.

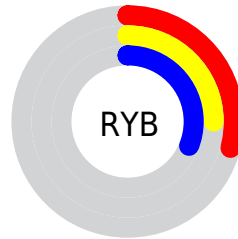
Distribution



Red (29%)

Green (25%)

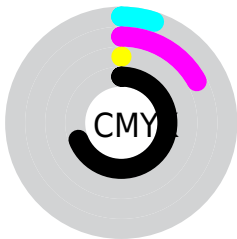
Blue (31%)



Red (29%)

Yellow (25%)

Blue (31%)

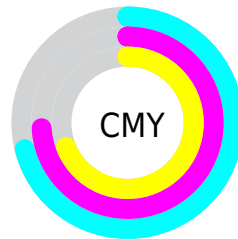


Cyan (5%)

Magenta (17%)

Yellow (0%)

Black (69%)



Cyan (71%)

Magenta (74%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 9.265, 316.115 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, 9.265, 316.115 by changing the saturation by 10% instead.

■ 29, 9.265, 316.115

■ 29, 9.265, 316.115

■ 100, 9.265,
316.115

■ 19, 9.265, 316.115

■ 49, 9.265, 316.115

■ 9, 9.265, 316.115

■ 59, 9.265, 316.115

■ 0, 9.265, 316.115

■ 69, 9.265, 316.115

■ 79, 9.265, 316.115

■ 89, 9.265, 316.115

■ 99, 9.265, 316.115

■ 29, 9.265, 316.115

■ 29, 9.265, 316.115

■ 26, 14.960,
316.514

■ 32, 3.653, 315.713

■ 24, 20.691,
316.909

■ 34, 1.845, 135.419

■ 22, 26.381,
317.284

■ 37, 7.211, 135.036

■ 19, 31.914,
317.617

■ 39, 12.440,
134.708

■ 17, 37.131,
317.874

■ 42, 17.529,
134.410

■ 15, 41.822,
318.014

■ 45, 22.480,
134.137

■ 14, 45.742,
317.990

■ 47, 27.296,
133.890

■ 12, 49.365,
317.946

■ 50, 31.983,
133.666

■ 12, 50.724,

■ 52, 36.547,
133.465

317.980

Harmonies

Complementary

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



29, 9.265, 316.115



32, 9.154, 134.838

Rectangle

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



29, 9.265, 316.115



29, 9.265, 6.115



29, 9.265, 136.115



29, 9.265, 186.115

Sweetspot

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



29, 9.264, 316.114



42, 3.434, 315.653



29, 5.922, 274.484



20, 2.314, 315.669



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 9.264, 316.114



37, 13.929, 316.279



29, 8.891, 330.864



14, 3.030, 315.796



17, 61.004, 317.650



43, 110.825, 316.990

Inverse Universe

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



29, 6.387, 356.876



37, 9.636, 357.302



32, 8.863, 148.963



14, 2.075, 356.091



20, 43.910, 16.934



48, 81.050, 21.292

Previews

White Background



This preview shows how the CIELCh color 29, 9.265, 316.115 looks on a white background.

Color Contrast Check

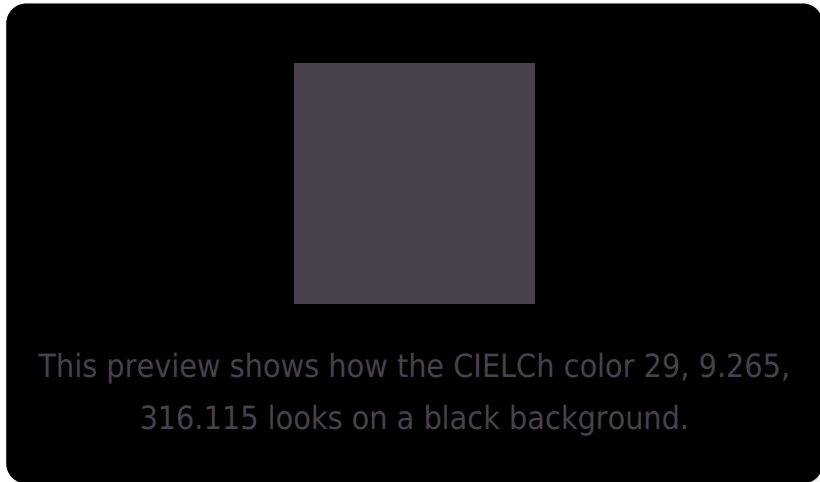
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

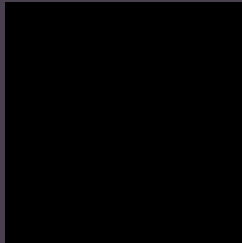
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 9.265, 316.115

Background



This preview shows how black text looks on a background with the CIELCh color 29, 9.265, 316.115.



This preview shows how white text looks on a background with the CIELCh color 29, 9.265, 316.115.

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, 9.265, 316.115

Protanopia

29, 7.754, 285.550

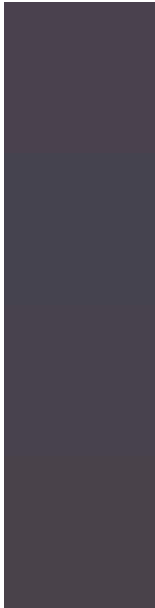
Deuteranopia

29, 7.314, 304.860



Tritanopia
29, 4.963, 329.091

Trichromacy



Original Color

29, 9.265, 316.115

Protanomaly

29, 7.799, 297.784

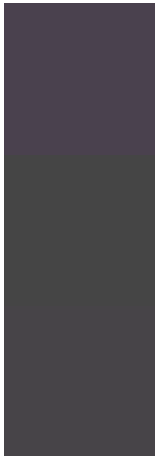
Deuteranomaly

29, 8.184, 309.696

Tritanomaly

29, 6.017, 321.444

Monochromacy



Original Color

29, 9.265, 316.115

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 2.905, 317.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 9.265, 316.115 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(74, 65, 78)` looks like.

```
.text, #text, p{  
    color:rgb(74, 65, 78)  
}
```

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(74, 65, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 65, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 9.265, 316.115 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(74, 65, 78) }
```

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

```
.border{ border-color:rgb(74, 65, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 65, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 65, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 65, 78);  
box-shadow:4px 4px 4px 4px rgb(74, 65, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 9.265, 316.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 65, 78) }
```

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

```
.background{ background-color: rgb(74, 65,  
78) }
```

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