

Converting Colors

CIELCh(29, 6.768, 312.117)

Have a look what the booklet for
CIELCh(29, 6.768, 312.117) contains.

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Color

CIELCh(29, 6.978, 312.972)

Conversions

Conversions Part 1

Format	Color
Hex	48424C
RGB	72, 66, 76
RGB Percent	28%, 26%, 30%
CMY	0.7167, 0.7402, 0.7010
CMYK	0.05, 0.13, 0.00, 0.70
HSL	276°, 7%, 28%
HSV	276°, 13%, 30%
XYZ	5.9671, 5.8380, 7.6959
YIQ	68.9340, 0.3660, 4.3820

Conversions

Conversions Part 2

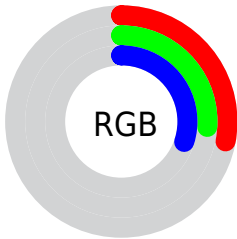
Format	Color
R_{YB}	72, 66, 76
Decimal	4735564
CIE Lab	29.00, 4.76, -5.11
CIE LCh	29, 6.978, 312.972
Yxy	5.8380, 0.3060, 0.2994
Android (android.graphics.Color)	4282925644 (0xFF48424C)
YUV	68.9340, 3.4835, 2.6889
Hunter-Lab	24.1619, 1.7998, -1.9713

Details

The CIELCh color **29, 6.978, 312.972** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 6.887, 131.990**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 6.922, 310.989**, and **9, 7.364, 315.550** is the 20% darker color. If you saturate the color by 10%, you get **26, 12.424, 313.380**, and if you desaturate by 10%, it is **32, 1.643, 312.552**.

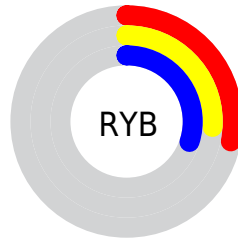
Distribution



Red (28%)

Green (26%)

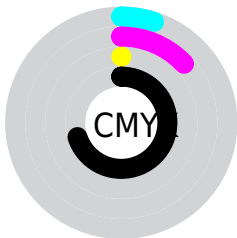
Blue (30%)



Red (28%)

Yellow (26%)

Blue (30%)

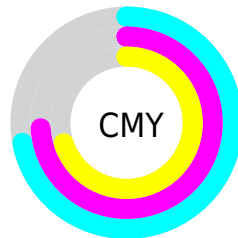


Cyan (5%)

Magenta (13%)

Yellow (0%)

Black (70%)



Cyan (72%)

Magenta (74%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 6.978, 312.972 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, 6.978, 312.972 by changing the saturation by 10% instead.

■ 29, 6.978, 312.972

■ 29, 6.978, 312.972

■ 100, 6.978,
312.972

■ 19, 6.978, 312.972

■ 49, 6.978, 312.972

■ 9, 6.978, 312.972

■ 59, 6.978, 312.972

■ 0, 6.978, 312.972

■ 69, 6.978, 312.972

■ 79, 6.978, 312.972

■ 89, 6.978, 312.972

■ 99, 6.978, 312.972

■ 29, 6.978, 312.972

■ 29, 6.978, 312.972

■ 26, 12.424,
313.380

■ 32, 1.643, 312.552

■ 24, 17.954,
313.799

■ 34, 3.562, 132.262

■ 21, 23.517,
314.216

■ 37, 8.632, 131.922

■ 19, 29.030,
314.611

■ 39, 13.564,
131.619

■ 17, 34.369,
314.953

■ 42, 18.360,
131.347

■ 15, 39.355,
315.200

■ 45, 23.026,
131.103

■ 13, 43.753,
315.297

■ 47, 27.565,
130.885

■ 11, 47.616,
315.287

■ 50, 31.984,
130.692

■ 10, 50.612,

■ 52, 36.289,
130.520

315.438

Harmonies

Complementary

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



29, 6.978, 312.972



32, 6.887, 131.990

Rectangle

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



29, 6.978, 312.972



29, 6.978, 2.972



29, 6.978, 132.972



29, 6.978, 182.972

Sweetspot

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



29, 6.977, 312.971



41, 2.626, 312.602



30, 4.098, 265.518



20, 1.882, 312.624



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, 6.977, 312.971



37, 10.641, 313.112



29, 7.353, 327.429



14, 2.961, 312.791



15, 62.050, 315.012



40, 112.925, 314.256

Inverse Universe

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



29, 5.158, 350.459



37, 7.874, 350.783



31, 7.341, 146.061



14, 2.186, 350.050



20, 43.107, 8.510



49, 78.438, 12.479

Previews

White Background



This preview shows how the CIE LCh color 29, 6.978, 312.972 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, 6.978, 312.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

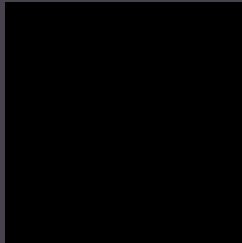
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 6.978, 312.972

Background



This preview shows how black text looks on a background with the CIELCh color 29, 6.978, 312.972.



This preview shows how white text looks on a background with the CIELCh color 29, 6.978, 312.972.

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, 6.978, 312.972

Protanopia

29, 5.804, 287.133

Deuteranopia

29, 6.072, 307.607



Tritanopia
29, 3.916, 324.749

Trichromacy



Original Color

29, 6.978, 312.972

Protanomaly

29, 6.521, 298.842

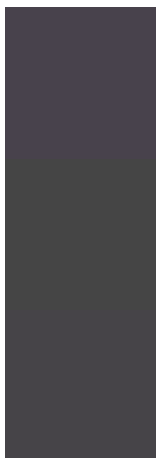
Deuteranomaly

29, 6.072, 307.607

Tritanomaly

29, 5.028, 316.521

Monochromacy



Original Color

29, 6.978, 312.972

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 2.732, 309.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 6.978, 312.972 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(72, 66, 76)` looks like.

```
.text, #text, p{  
    color:rgb(72, 66, 76)  
}
```

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(72, 66, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 66, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 6.978, 312.972 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(72, 66, 76) }
```

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

```
.border{ border-color:rgb(72, 66, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 66, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 66, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 66, 76);  
box-shadow:4px 4px 4px 4px rgb(72, 66, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 6.978, 312.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 66, 76) }
```

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

```
.background{ background-color: rgb(72, 66,  
76) }
```

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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