

Converting Colors

CIELCh(29, 6.991, 316.869)

Have a look what the booklet for
CIELCh(29, 6.991, 316.869) contains.

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Color

CIELCh(29, 7.149, 316.218)

Conversions

Conversions Part 1

Format	Color
Hex	49424C
RGB	73, 66, 76
RGB Percent	29%, 26%, 30%
CMY	0.7136, 0.7411, 0.7019
CMYK	0.04, 0.13, 0.00, 0.70
HSL	282°, 7%, 28%
HSV	282°, 13%, 30%
XYZ	6.0037, 5.8380, 7.6515
YIQ	69.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

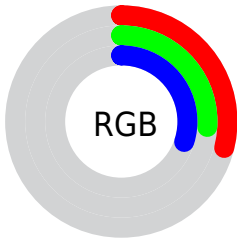
Format	Color
R_{YB}	73, 66, 76
Decimal	4801100
CIE _{Lab}	29.00, 5.16, -4.95
CIE _{LCh}	29, 7.149, 316.218
Yxy	5.8380, 0.3080, 0.2995
Android (android.graphics.Color)	4282991180 (0xFF49424C)
YUV	69.2330, 3.3361, 3.3037
Hunter-Lab	24.1619, 2.0698, -1.8624

Details

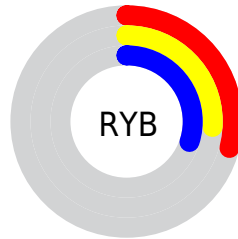
The CIELCh color **29, 7.149, 316.218** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 7.080, 135.230**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 7.235, 316.927**, and **9, 7.364, 315.550** is the 20% darker color. If you saturate the color by 10%, you get **27, 12.689, 316.614**, and if you desaturate by 10%, it is **32, 1.699, 315.797**.

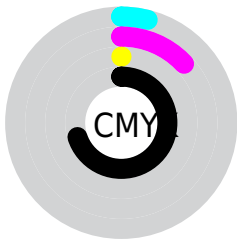
Distribution



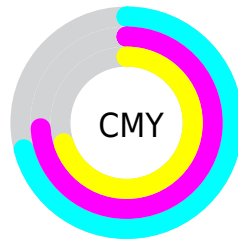
- Red (29%)
- Green (26%)
- Blue (30%)



- Red (29%)
- Yellow (26%)
- Blue (30%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (70%)



- Cyan (71%)
- Magenta (74%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 7.149, 316.218 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, 7.149, 316.218 by changing the saturation by 10% instead.

■ 29, 7.149, 316.218

■ 29, 7.149, 316.218

■ 100, 7.149,
316.218

■ 19, 7.149, 316.218

■ 49, 7.149, 316.218

■ 9, 7.149, 316.218

■ 59, 7.149, 316.218

■ 0, 7.149, 316.218

■ 69, 7.149, 316.218

■ 79, 7.149, 316.218

■ 89, 7.149, 316.218

■ 99, 7.149, 316.218

■ 29, 7.149, 316.218

■ 29, 7.149, 316.218

27, 12.689,
316.614

32, 1.699, 315.797

24, 18.281,
317.009

34, 3.632, 135.515

22, 23.861,
317.391

37, 8.835, 135.162

19, 29.329,
317.739

39, 13.902,
134.844

17, 34.548,
318.024

42, 18.834,
134.553

15, 39.330,
318.211

44, 23.632,
134.288

14, 43.450,
318.254

47, 28.300,
134.047

12, 46.978,
318.189

49, 32.845,
133.830

11, 49.642,

52, 37.272,
133.634

318.247

Harmonies

Complementary

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



29, 7.149, 316.218



31, 7.080, 135.230

Rectangle

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



29, 7.149, 316.218



29, 7.149, 6.218



29, 7.149, 136.218



29, 7.149, 186.218

Sweetspot

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



29, 7.148, 316.217



41, 2.694, 315.847



29, 4.563, 274.019



20, 1.931, 315.870



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, 7.148, 316.217



37, 10.894, 316.354



29, 6.857, 330.659



14, 3.036, 316.038



17, 60.924, 317.882



43, 110.664, 317.232

Inverse Universe

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



29, 4.886, 357.054



37, 7.470, 357.397



31, 6.837, 149.200



14, 2.067, 356.618



20, 44.025, 17.614



48, 81.360, 21.986

Previews

White Background



This preview shows how the CIELCh color 29, 7.149, 316.218 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, 7.149, 316.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

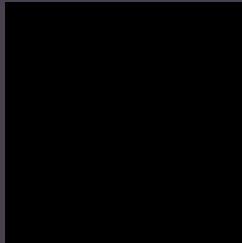
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 7.149, 316.218

Background



This preview shows how black text looks on a background with the CIELCh color 29, 7.149, 316.218.



This preview shows how white text looks on a background with the CIELCh color 29, 7.149, 316.218.

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, 7.149, 316.218

Protanopia

29, 5.804, 287.133

Deuteranopia

29, 6.209, 311.433



Tritanopia
29, 3.916, 324.749

Trichromacy



Original Color

29, 7.149, 316.218

Protanomaly

29, 6.521, 298.842

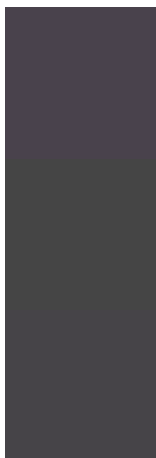
Deuteranomaly

29, 6.209, 311.433

Tritanomaly

29, 4.460, 320.107

Monochromacy



Original Color

29, 7.149, 316.218

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, 7.149, 316.218 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(73, 66, 76)` looks like.

```
.text, #text, p{  
    color:rgb(73, 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(73, 66, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 66, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 7.149, 316.218 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(73, 66, 76) }
```

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

```
.border{ border-color:rgb(73, 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(73, 66, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 66, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 66, 76);  
box-shadow:4px 4px 4px 4px rgb(73, 66, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 7.149, 316.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 66, 76) }
```

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

```
.background{ background-color: rgb(73, 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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