

Converting Colors

CIELCh(29, 18.534, 117.314)

Have a look what the booklet for
CIElCh(29, 18.534, 117.314)
contains.

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Color

CIELCh(29, 18.574, 117.267)

Conversions

Conversions Part 1

Format	Color
Hex	40472A
RGB	64, 71, 42
RGB Percent	25%, 28%, 16%
CMY	0.7473, 0.7198, 0.8337
CMYK	0.10, 0.00, 0.41, 0.72
HSL	74°, 25%, 22%
HSV	74°, 41%, 28%
XYZ	4.8501, 5.8380, 3.1009
YIQ	65.6010, 5.1370, -10.5030

Conversions

Conversions Part 2

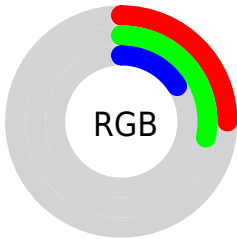
Format	Color
RYB	42, 71, 49
Decimal	4212522
CIELab	29.00, -8.51, 16.51
CIElCh	29, 18.574, 117.267
Yxy	5.8380, 0.3517, 0.4234
Android (android.graphics.Color)	4282402602 (0xFF40472A)
YUV	65.6010, -11.6353, -1.4041
Hunter-Lab	24.1619, -6.4525, 9.3042

Details

The CIELCh color **29, 18.574, 117.267** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **19, 20.128, 302.460**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 18.256, 117.359**, and **9, 15.655, 121.719** is the 20% darker color. If you saturate the color by 10%, you get **29, 22.922, 116.742**, and if you desaturate by 10%, it is **29, 14.092, 117.832**.

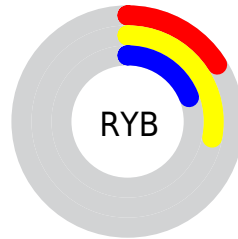
Distribution



Red (25%)

Green (28%)

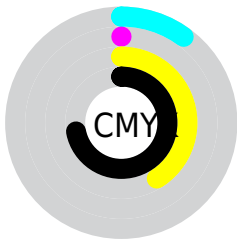
Blue (16%)



Red (16%)

Yellow (28%)

Blue (19%)

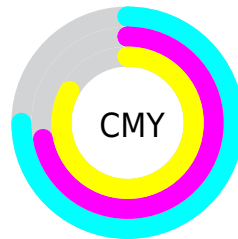


Cyan (10%)

Magenta (0%)

Yellow (41%)

Black (72%)



Cyan (75%)


Magenta (72%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 18.574, 117.267 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, 18.574, 117.267 by changing the saturation by 10% instead.

 29, 18.574,
117.267


 29, 18.574,
117.267

 100, 18.574,
117.267


 19, 18.574,
117.267


 49, 18.574,
117.267


 9, 18.574, 117.267

 59, 18.574,
117.267

 0, 18.574, 117.267

 69, 18.574,
117.267

 79, 18.574,
117.267

 89, 18.574,
117.267

 99, 18.574,

117.267

■ 29, 18.574,
117.267

■ 29, 18.574,
117.267

■ 29, 22.922,
116.742

■ 29, 14.092,
117.832

■ 28, 27.058,
116.283

■ 30, 9.526, 118.408

■ 28, 30.872,
115.936

■ 30, 4.916, 118.982

■ 30, 0.287, 119.584

■ 28, 34.221,
115.762

■ 31, 4.341, 300.076

■ 28, 37.053,
115.773

■ 31, 8.955, 300.593

■ 28, 39.821,
115.684

■ 32, 13.545,
301.081

■ 32, 18.101,
301.541

■ 33, 22.619,
301.973

Harmonies

Complementary

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



29, 18.574, 117.267



19, 20.128, 302.460

Rectangle

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



29, 18.574, 117.267



29, 18.574, 167.267



29, 18.574, 297.267



29, 18.574, 347.267

Sweetspot

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



29, 18.575, 117.269



38, 6.832, 118.878



23, 12.299, 42.613



19, 4.465, 118.857



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



29, 18.575, 117.269



37, 27.306, 116.731



28, 20.972, 134.945



14, 2.575, 119.098



39, 50.195, 116.189



84, 92.104, 117.083

Inverse Universe

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



19, 20.128, 302.460



23, 30.345, 303.399



21, 21.462, 318.331



13, 2.619, 300.070



10, 65.265, 308.131



30, 120.193, 307.542

Previews

White Background



This preview shows how the CIELCh color 29, 18.574, 117.267 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, 18.574, 117.267 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, 18.574, 117.267

Background



This preview shows how black text looks on a background with the CIELCh color 29, 18.574, 117.267.



This preview shows how white text looks on a background with the CIELCh color 29, 18.574, 117.267.

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, 18.574, 117.267

Protanopia

29, 17.496, 95.206

Deuteranopia

29, 16.109, 75.364



Tritanopia
29, 3.222, 290.800

Trichromacy



Original Color
29, 18.574, 117.267

Protanomaly
29, 17.107, 103.507

Deuteranomaly
29, 15.983, 90.761

Tritanomaly
29, 4.585, 120.745

Monochromacy



Original Color
29, 18.574, 117.267

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 7.207, 119.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 18.574, 117.267 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(64, 71, 42)` looks like.

```
.text, #text, p{  
    color:rgb(64, 71, 42)  
}
```

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(64, 71, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 71, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 18.574, 117.267 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(64, 71, 42) }
```

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

```
.border{ border-color:rgb(64, 71, 42) }
```

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

Here you see how a box with a 4 pixel rgb(64, 71, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 71, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 71, 42);  
box-shadow:4px 4px 4px 4px rgb(64, 71, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 18.574, 117.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 71, 42) }
```

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

```
.background{ background-color: rgb(64, 71,  
42) }
```

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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