

Converting Colors

CIELCh(29, 26.359, 107.335)

Have a look what the booklet for
CIElCh(29, 26.359, 107.335)
contains.

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Color

CIELCh(29, 26.359, 107.335)

Conversions

Conversions Part 1

Format	Color
Hex	45471C
RGB	69, 71, 28
RGB Percent	27%, 28%, 11%
CMY	0.7298, 0.7220, 0.8906
CMYK	0.03, 0.00, 0.61, 0.72
HSL	63°, 44%, 19%
HSV	63°, 61%, 28%
XYZ	4.9017, 5.8380, 1.9610
YIQ	65.5000, 12.6110, -13.7970

Conversions

Conversions Part 2

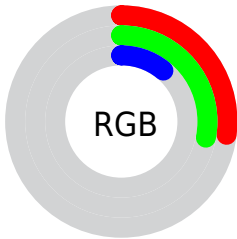
Format	Color
R_{YB}	28, 71, 30
Decimal	4540188
CIE _{Lab}	29.00, -7.85, 25.16
CIE _{LCh}	29, 26.359, 107.335
Yxy	5.8380, 0.3859, 0.4597
Android (android.graphics.Color)	4282730268 (0xFF45471C)
YUV	65.5000, -18.4875, 3.0695
Hunter-Lab	24.1619, -6.0711, 12.1014

Details

The CIELCh color $29, 26.359, 107.335$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $13, 30.713, 299.390$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $49, 26.422, 106.630$, and $9, 15.406, 117.841$ is the 20% darker color. If you saturate the color by 10%, you get $29, 30.032, 106.720$, and if you desaturate by 10%, it is $29, 22.355, 108.038$.

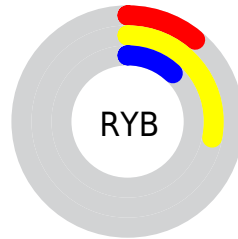
Distribution



Red (27%)

Green (28%)

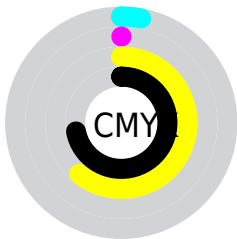
Blue (11%)



Red (11%)

Yellow (28%)

Blue (12%)

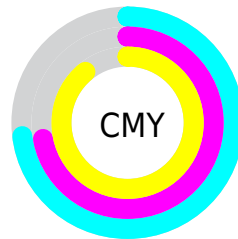


Cyan (3%)

Magenta (0%)

Yellow (61%)

Black (72%)



Cyan (73%)


Magenta (72%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 26.359, 107.335 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, 26.359, 107.335 by changing the saturation by 10% instead.

 29, 26.359,
107.335


 29, 26.359,
107.335

 100, 26.359,
107.335


 19, 26.359,
107.335


 49, 26.359,
107.335


 9, 26.359, 107.335

 59, 26.359,
107.335

 0, 26.359, 107.335

 69, 26.359,
107.335

 79, 26.359,
107.335

 89, 26.359,
107.335

 99, 26.359,

107.335

■ 29, 26.359,
107.335

■ 29, 26.359,
107.335

■ 29, 30.032,
106.720

■ 29, 22.355,
108.038

■ 29, 33.226,
106.220

■ 29, 18.132,
108.791

■ 29, 35.893,
105.844

■ 29, 13.767,
109.576

■ 29, 38.525,
105.465

■ 30, 9.316, 110.374

■ 30, 4.814, 111.171

■ 30, 0.287, 111.887

■ 30, 4.248, 292.741

■ 31, 8.779, 293.487

■ 31, 13.297,
294.206

Harmonies

Complementary

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



29, 26.359, 107.335



13, 30.713, 299.390

Rectangle

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



29, 26.359, 107.335



29, 26.359, 157.335



29, 26.359, 287.335



29, 26.359, 337.335

Sweetspot

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



29, 26.359, 107.337



38, 10.071, 110.529



17, 22.368, 27.996



19, 6.893, 110.411



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, 26.359, 107.337



37, 37.881, 106.442



27, 28.801, 127.776



14, 2.535, 111.332



40, 48.655, 105.570



87, 88.896, 105.771

Inverse Universe

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



13, 30.713, 299.390



14, 46.696, 302.037



15, 30.993, 312.816



12, 2.583, 292.734



8, 66.771, 306.571



28, 122.318, 306.394

Previews

White Background



This preview shows how the CIELCh color 29, 26.359, 107.335 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, 26.359, 107.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

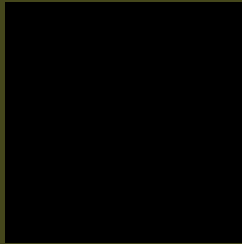
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 26.359, 107.335

Background



This preview shows how black text looks on a background with the CIELCh color 29, 26.359, 107.335.



This preview shows how white text looks on a background with the CIELCh color 29, 26.359, 107.335.

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, 26.359, 107.335

Protanopia

29, 26.148, 97.120

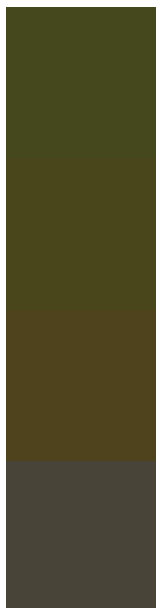
Deuteranopia

29, 24.661, 80.567



Tritanopia
29, 4.963, 329.091

Trichromacy



Original Color
29, 26.359, 107.335

Protanomaly
29, 26.424, 101.700

Deuteranomaly
29, 24.602, 90.722

Tritanomaly
29, 7.915, 94.846

Monochromacy



Original Color
29, 26.359, 107.335

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 9.640, 111.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 26.359, 107.335 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(69, 71, 28)` looks like.

```
.text, #text, p{  
    color:rgb(69, 71, 28)  
}
```

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(69, 71, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 71, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 26.359, 107.335 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(69, 71, 28) }
```

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

```
.border{ border-color:rgb(69, 71, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 71, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 71, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 71, 28);  
box-shadow:4px 4px 4px 4px rgb(69, 71, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 26.359, 107.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 71, 28) }
```

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

```
.background{ background-color: rgb(69, 71,  
28) }
```

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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