

Converting Colors

CIELCh(30, 26.678, 105.136)

Have a look what the booklet for
CIELCh(30, 26.678, 105.136)
contains.

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Color

CIELCh(30, 26.829, 105.114)

Conversions

Conversions Part 1

Format	Color
Hex	49491D
RGB	73, 73, 29
RGB Percent	29%, 29%, 11%
CMY	0.7145, 0.7145, 0.8870
CMYK	0.00, 0.00, 0.60, 0.71
HSL	60°, 43%, 20%
HSV	60°, 60%, 29%
XYZ	5.3216, 6.2359, 2.0736
YIQ	67.9840, 14.1240, -13.6840

Conversions

Conversions Part 2

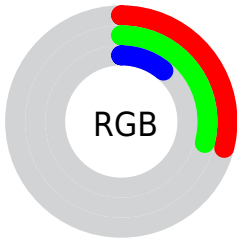
Format	Color
R_{YB}	29, 73, 29
Decimal	4802845
CIE _{Lab}	30.00, -7.00, 25.90
CIE _{LCh}	30, 26.829, 105.114
Yxy	6.2359, 0.3904, 0.4575
Android (android.graphics.Color)	4282992925 (0xFF49491D)
YUV	67.9840, -19.2191, 4.3990
Hunter-Lab	24.9718, -5.6617, 12.5570

Details

The CIELCh color **30, 26.829, 105.114** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 31.315, 298.323**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 26.373, 104.717**, and **10, 16.573, 112.117** is the 20% darker color. If you saturate the color by 10%, you get **30, 30.577, 104.419**, and if you desaturate by 10%, it is **30, 22.739, 105.888**.

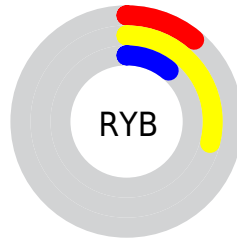
Distribution



Red (29%)

Green (29%)

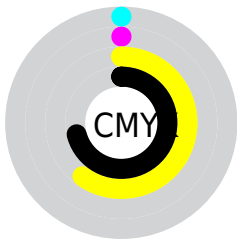
Blue (11%)



Red (11%)

Yellow (29%)

Blue (11%)

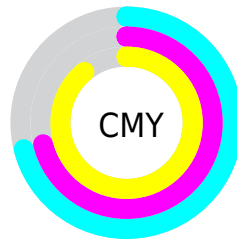


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (71%)



Cyan (71%)


Magenta (71%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 26.829, 105.114 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 30, 26.829, 105.114 by changing the saturation by 10% instead.


 30, 26.829,
105.114


 30, 26.829,
105.114

 100, 26.829,
105.114


 20, 26.829,
105.114


 50, 26.829,
105.114


 10, 26.829,
105.114

 60, 26.829,
105.114

 0, 26.829, 105.114

 70, 26.829,
105.114

 80, 26.829,
105.114

 90, 26.829,
105.114

■ 30, 26.829,
105.114

■ 30, 26.829,
105.114

■ 30, 30.577,
104.419

■ 30, 22.739,
105.888

■ 30, 33.830,
103.825

■ 30, 18.423,
106.709

■ 30, 36.504,
103.344

■ 30, 13.963,
107.560

■ 30, 39.207,
102.869

■ 31, 9.414, 108.424

■ 31, 4.815, 109.288

■ 31, 0.191, 109.988

■ 31, 4.442, 290.999

■ 31, 9.070, 291.813

■ 32, 13.686,
292.602

Harmonies

Complementary

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



30, 26.829, 105.114



13, 31.315, 298.323

Rectangle

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



30, 26.829, 105.114



30, 26.829, 155.114



30, 26.829, 285.114



30, 26.829, 335.114

Sweetspot

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



30, 26.829, 105.117



40, 10.292, 108.574



17, 23.361, 26.018



20, 7.208, 108.431



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 26.829, 105.117



39, 38.682, 104.085



28, 29.064, 126.612



14, 2.533, 109.447



41, 48.580, 102.866



88, 88.739, 102.867

Inverse Universe

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



13, 31.315, 298.323



14, 47.886, 301.346



16, 31.507, 311.810



12, 2.580, 290.970



8, 67.078, 306.289



28, 122.531, 306.288

Previews

White Background



This preview shows how the CIELCh color 30, 26.829, 105.114 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 30, 26.829, 105.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

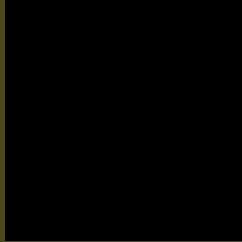
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 26.829, 105.114

Background



This preview shows how black text looks on a background with the CIELCh color 30, 26.829, 105.114.



This preview shows how white text looks on a background with the CIELCh color 30, 26.829, 105.114.

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

30, 26.829, 105.114

Protanopia

30, 26.717, 96.203

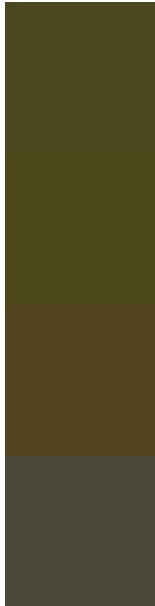
Deuteranopia

30, 25.878, 80.492



Tritanopia
30, 5.531, 336.380

Trichromacy



Original Color
30, 26.829, 105.114

Protanomaly
30, 27.003, 99.591

Deuteranomaly
30, 25.230, 89.933

Tritanomaly
30, 8.004, 91.604

Monochromacy



Original Color
30, 26.829, 105.114

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 10.189, 108.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 26.829, 105.114 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, 73, 29)` looks like.

```
.text, #text, p{  
    color:rgb(73, 73, 29)  
}
```

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, 73, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 73, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 26.829, 105.114 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, 73, 29) }
```

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

```
.border{ border-color:rgb(73, 73, 29) }
```

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

Here you see how a box with a 4 pixel rgb(73, 73, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 73, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 73, 29);  
box-shadow:4px 4px 4px 4px rgb(73, 73, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 26.829, 105.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 73, 29) }
```

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

```
.background{ background-color: rgb(73, 73,  
29) }
```

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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