

Converting Colors

CIELCh(30, 21.798, 103.385)

Have a look what the booklet for
CIElCh(30, 21.798, 103.385)
contains.

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Color

CIELCh(30, 21.798, 103.385)

Conversions

Conversions Part 1

Format	Color
Hex	4A4825
RGB	74, 72, 37
RGB Percent	29%, 28%, 15%
CMY	0.7095, 0.7174, 0.8547
CMYK	0.00, 0.03, 0.50, 0.71
HSL	57°, 33%, 22%
HSV	57°, 50%, 29%
XYZ	5.4859, 6.2359, 2.6699
YIQ	68.6080, 12.4270, -10.4610

Conversions

Conversions Part 2

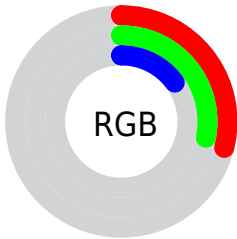
Format	Color
RYB	39, 74, 37
Decimal	4868133
CIELab	30.00, -5.05, 21.21
CIElCh	30, 21.798, 103.385
Yxy	6.2359, 0.3812, 0.4333
Android (android.graphics.Color)	4283058213 (0xFF4A4825)
YUV	68.6080, -15.5827, 4.7288
Hunter-Lab	24.9718, -4.4868, 11.1411

Details

The CIELCh color **30, 21.798, 103.385** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17, 24.271, 294.412**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 21.427, 102.563**, and **10, 15.786, 106.114** is the 20% darker color. If you saturate the color by 10%, you get **30, 25.817, 102.523**, and if you desaturate by 10%, it is **30, 17.585, 104.286**.

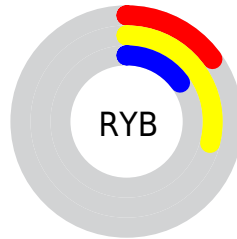
Distribution



Red (29%)

Green (28%)

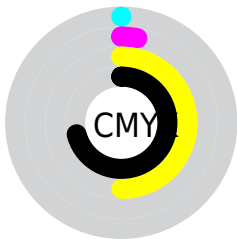
Blue (15%)



Red (15%)

Yellow (29%)

Blue (15%)

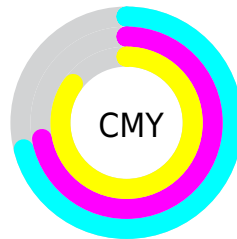


Cyan (0%)

Magenta (3%)

Yellow (50%)

Black (71%)



Cyan (71%)


Magenta (72%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 21.798, 103.385 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, 21.798, 103.385 by changing the saturation by 10% instead.


 30, 21.798,
103.385


 30, 21.798,
103.385

 100, 21.798,
103.385


 20, 21.798,
103.385


 50, 21.798,
103.385


 10, 21.798,
103.385

 60, 21.798,
103.385

 0, 21.798, 103.385

 70, 21.798,
103.385

 80, 21.798,
103.385

 90, 21.798,
103.385

■ 30, 21.798,
103.385

■ 30, 21.798,
103.385

■ 30, 25.817,
102.523

■ 30, 17.585,
104.286

■ 30, 29.527,
101.709

■ 31, 13.253,
105.200

■ 29, 32.772,
100.968

■ 31, 8.855, 106.117

■ 29, 35.432,
100.313

■ 31, 4.422, 107.025

■ 31, 0.022, 289.837

■ 29, 38.217, 99.678

■ 32, 4.464, 288.816

■ 29, 38.228, 99.676

■ 32, 8.894, 289.659

■ 33, 13.304,
290.475

■ 33, 17.691,
291.258

Harmonies

Complementary

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



30, 21.798, 103.385



17, 24.271, 294.412

Rectangle

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



30, 21.798, 103.385



30, 21.798, 153.385



30, 21.798, 283.385



30, 21.798, 333.385

Sweetspot

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



30, 21.799, 103.388



40, 8.318, 106.517



20, 18.785, 19.214



20, 5.597, 106.424



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, 21.799, 103.388



39, 32.144, 102.324



29, 24.259, 124.530



15, 2.545, 107.137



40, 47.641, 99.510



85, 85.990, 99.256

Inverse Universe

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



17, 24.271, 294.412



20, 37.241, 296.785



18, 26.186, 309.241



14, 2.588, 288.760



10, 65.176, 304.993



29, 121.335, 305.785

Previews

White Background



This preview shows how the CIELCh color 30, 21.798, 103.385 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, 21.798, 103.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

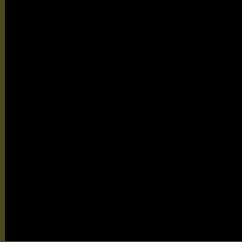
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 21.798, 103.385

Background



This preview shows how black text looks on a background with the CIELCh color 30, 21.798, 103.385.



This preview shows how white text looks on a background with the CIELCh color 30, 21.798, 103.385.

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

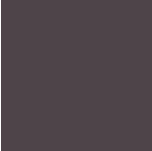
30, 21.798, 103.385

Protanopia

30, 21.548, 96.623

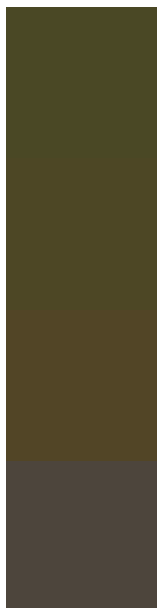
Deuteranopia

30, 21.275, 77.707



Tritanopia
30, 5.469, 344.591

Trichromacy



Original Color
30, 21.798, 103.385

Protanomaly
30, 21.461, 97.963

Deuteranomaly
30, 20.706, 87.708

Tritanomaly
30, 6.875, 76.004

Monochromacy



Original Color
30, 21.798, 103.385

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 8.300, 105.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 21.798, 103.385 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(74, 72, 37)` looks like.

```
.text, #text, p{  
    color:rgb(74, 72, 37)  
}
```

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(74, 72, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 72, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 21.798, 103.385 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(74, 72, 37) }
```

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

```
.border{ border-color:rgb(74, 72, 37) }
```

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

Here you see how a box with a 4 pixel rgb(74, 72, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 72, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 72, 37);  
box-shadow:4px 4px 4px 4px rgb(74, 72, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 21.798, 103.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 72, 37) }
```

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

```
.background{ background-color: rgb(74, 72,  
37) }
```

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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