

Converting Colors

CIELCh(29, 7.814, 83.598)

Have a look what the booklet for
CIELCh(29, 7.814, 83.598) contains.

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Color

CIELCh(29, 7.814, 83.598)

Conversions

Conversions Part 1

Format	Color
Hex	4A4338
RGB	74, 67, 56
RGB Percent	29%, 26%, 22%
CMY	0.7079, 0.7353, 0.7785
CMYK	0.00, 0.09, 0.24, 0.71
HSL	37°, 14%, 26%
HSV	37°, 24%, 29%
XYZ	5.6239, 5.8380, 4.6326
YIQ	67.8390, 7.7030, -1.9370

Conversions

Conversions Part 2

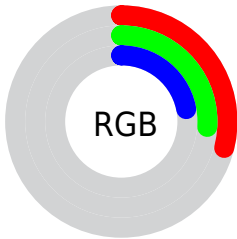
Format	Color
RYB	67, 74, 56
Decimal	4866872
CIELab	29.00, 0.87, 7.77
CIElCh	29, 7.814, 83.598
Yxy	5.8380, 0.3494, 0.3627
Android (android.graphics.Color)	4283056952 (0xFF4A4338)
YUV	67.8390, -5.8366, 5.4032
Hunter-Lab	24.1619, -0.7356, 5.5455

Details

The CIELCh color $29, 7.814, 83.598$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $27, 7.657, 269.632$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $49, 7.799, 83.407$, and $9, 7.564, 83.030$ is the 20% darker color. If you saturate the color by 10%, you get $28, 11.187, 82.402$, and if you desaturate by 10%, it is $30, 4.524, 84.773$.

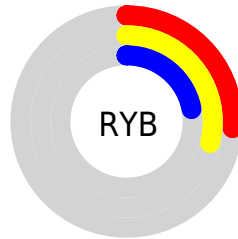
Distribution



Red (29%)

Green (26%)

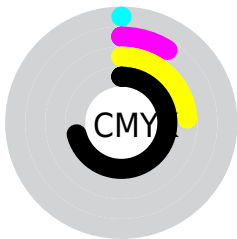
Blue (22%)



Red (26%)

Yellow (29%)

Blue (22%)

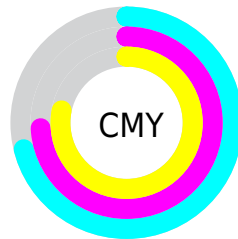


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (71%)



Cyan (71%)

Magenta (74%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 7.814, 83.598 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, 7.814, 83.598 by changing the saturation by 10% instead.

 29, 7.814, 83.598  29, 7.814, 83.598

 100, 7.814, 83.598  19, 7.814, 83.598

 49, 7.814, 83.598  9, 7.814, 83.598

 59, 7.814, 83.598  0, 7.814, 83.598

 69, 7.814, 83.598

 79, 7.814, 83.598

 89, 7.814, 83.598

 99, 7.814, 83.598

 29, 7.814, 83.598  29, 7.814, 83.598

 28, 11.187, 82.402  30, 4.524, 84.773

■ 27, 14.632, 81.164

■ 31, 1.317, 85.845

■ 26, 18.130, 79.894

■ 32, 1.810, 267.136

■ 25, 21.635, 78.580

■ 33, 4.862, 268.159

■ 24, 25.065, 77.198

■ 35, 7.844, 269.178

■ 23, 28.212, 75.662

■ 36, 10.761,
270.160

■ 22, 30.672, 73.860

■ 37, 13.621,
271.102

■ 22, 32.087, 72.928

■ 38, 16.427,
272.003

■ 39, 19.185,
272.861

Harmonies

Complementary

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



29, 7.814, 83.598



27, 7.657, 269.632

Rectangle

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



29, 7.814, 83.598



29, 7.814, 133.598



29, 7.814, 263.598



29, 7.814, 313.598

Sweetspot

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



29, 7.814, 83.607



40, 2.747, 85.541



26, 9.458, 351.520



19, 1.761, 85.530



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 7.814, 83.607



37, 11.735, 82.899



31, 11.391, 112.339



15, 1.804, 85.388



30, 42.031, 72.353



66, 76.403, 69.916

Inverse Universe

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



27, 7.657, 269.632



34, 11.433, 270.590



25, 11.972, 296.168



14, 1.796, 267.495



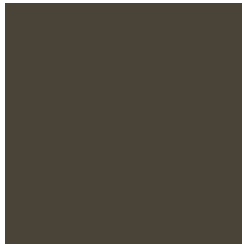
18, 42.844, 290.813



43, 83.530, 293.747

Previews

White Background



This preview shows how the CIELCh color 29, 7.814, 83.598 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, 7.814, 83.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

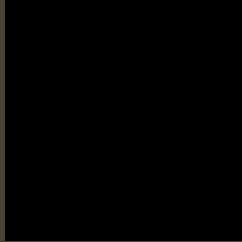
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 7.814, 83.598

Background



This preview shows how black text looks on a background with the CIELCh color 29, 7.814, 83.598.

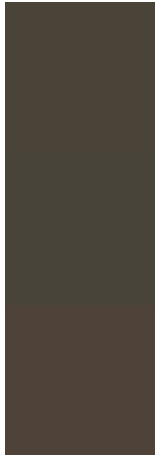


This preview shows how white text looks on a background with the CIELCh color 29, 7.814, 83.598.

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

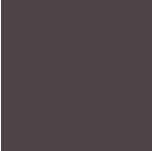
29, 7.814, 83.598

Protanopia

29, 7.293, 93.834

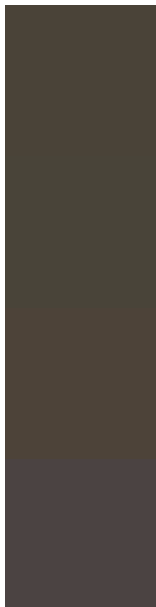
Deuteranopia

29, 8.526, 62.361



Tritanopia
29, 5.494, 344.615

Trichromacy



Original Color
29, 7.814, 83.598

Protanomaly
29, 7.432, 90.293

Deuteranomaly
29, 8.011, 72.512

Tritanomaly
29, 3.689, 29.903

Monochromacy



Original Color
29, 7.814, 83.598

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 2.715, 90.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 7.814, 83.598 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, 67, 56)` looks like.

```
.text, #text, p{  
    color:rgb(74, 67, 56)  
}
```

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, 67, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 67, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 7.814, 83.598 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, 67, 56) }
```

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

```
.border{ border-color:rgb(74, 67, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 67, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 67, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 67, 56);  
box-shadow:4px 4px 4px 4px rgb(74, 67, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 7.814, 83.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 67, 56) }
```

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

```
.background{ background-color: rgb(74, 67,  
56) }
```

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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