

Converting Colors

CIELCh(29, 21.181, 119.881)

Have a look what the booklet for
CIELCh(29, 21.181, 119.881)
contains.

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Color

CIELCh(29, 21.215, 119.571)

Conversions

Conversions Part 1

Format	Color
Hex	3E4827
RGB	62, 72, 39
RGB Percent	24%, 28%, 15%
CMY	0.7561, 0.7169, 0.8463
CMYK	0.14, 0.00, 0.46, 0.72
HSL	78°, 30%, 22%
HSV	78°, 46%, 28%
XYZ	4.6979, 5.8380, 2.8145
YIQ	65.2480, 4.6330, -12.3830

Conversions

Conversions Part 2

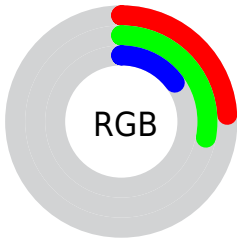
Format	Color
RYB	39, 72, 49
Decimal	4081703
CIELab	29.00, -10.47, 18.45
CIELCh	29, 21.215, 119.571
Yxy	5.8380, 0.3519, 0.4373
Android (android.graphics.Color)	4282271783 (0xFF3E4827)
YUV	65.2480, -12.9403, -2.8485
Hunter-Lab	24.1619, -7.5767, 10.0071

Details

The CIELCh color $29, 21.215, 119.571$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $18, 23.119, 304.857$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $49, 20.734, 119.612$, and $9, 16.836, 126.089$ is the 20% darker color. If you saturate the color by 10%, you get $29, 25.562, 119.126$, and if you desaturate by 10%, it is $29, 16.700, 120.071$.

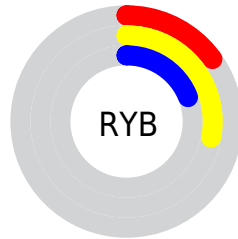
Distribution



Red (24%)

Green (28%)

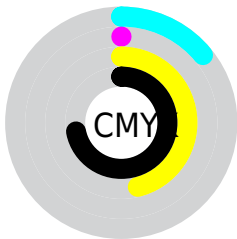
Blue (15%)



Red (15%)

Yellow (28%)

Blue (19%)

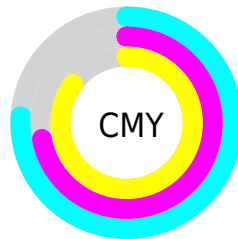


Cyan (14%)

Magenta (0%)

Yellow (46%)

Black (72%)



Cyan (76%)


Magenta (72%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 21.215, 119.571 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, 21.215, 119.571 by changing the saturation by 10% instead.


 29, 21.215,
119.571


 29, 21.215,
119.571

 100, 21.215,
119.571


 19, 21.215,
119.571


 49, 21.215,
119.571


 9, 21.215, 119.571

 59, 21.215,
119.571

 0, 21.215, 119.571

 69, 21.215,
119.571

 79, 21.215,
119.571

 89, 21.215,
119.571

 99, 21.215,

119.571

■ 29, 21.215,
119.571

■ 29, 21.215,
119.571

■ 29, 25.562,
119.126

■ 29, 16.700,
120.071

■ 28, 29.645,
118.772

■ 30, 12.080,
120.592

■ 28, 33.338,
118.568

■ 30, 7.400, 121.116

■ 28, 36.481,
118.586

■ 30, 2.694, 121.636

■ 28, 39.417,
118.626

■ 31, 2.016, 302.110

■ 28, 40.728,
118.601

■ 32, 11.383,
303.039

■ 32, 16.019,
303.458

■ 33, 20.613,
303.849

Harmonies

Complementary

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



29, 21.215, 119.571



18, 23.119, 304.857

Rectangle

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



29, 21.215, 119.571



29, 21.215, 169.571



29, 21.215, 299.571



29, 21.215, 349.571

Sweetspot

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



29, 21.216, 119.573



39, 8.224, 121.177



23, 13.842, 49.330



20, 5.725, 121.115



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, 21.216, 119.573



38, 31.429, 119.068



28, 24.232, 136.521



14, 2.598, 121.488



38, 51.018, 119.179



83, 93.795, 120.215

Inverse Universe

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



18, 23.119, 304.857



22, 35.189, 305.784



20, 24.656, 320.590



13, 2.639, 302.354



10, 64.600, 308.925



31, 119.035, 308.245

Previews

White Background



This preview shows how the CIELCh color 29, 21.215, 119.571 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, 21.215, 119.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

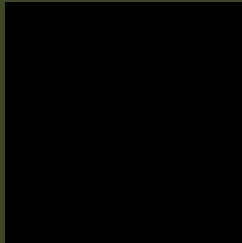
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 21.215, 119.571

Background



This preview shows how black text looks on a background with the CIELCh color 29, 21.215, 119.571.



This preview shows how white text looks on a background with the CIELCh color 29, 21.215, 119.571.

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

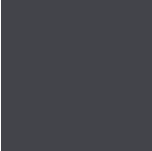
29, 21.215, 119.571

Protanopia

29, 19.300, 95.843

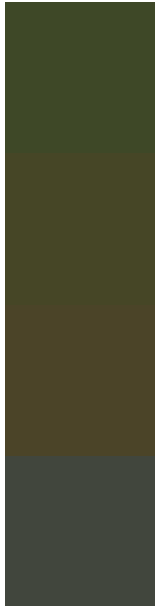
Deuteranopia

29, 18.058, 76.606



Tritanopia
29, 3.882, 284.608

Trichromacy



Original Color
29, 21.215, 119.571

Protanomaly
29, 20.068, 106.283

Deuteranomaly
29, 18.100, 95.441

Tritanomaly
29, 6.213, 130.504

Monochromacy



Original Color
29, 21.215, 119.571

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 7.938, 122.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 21.215, 119.571 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(62, 72, 39)` looks like.

```
.text, #text, p{  
    color:rgb(62, 72, 39)  
}
```

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(62, 72, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 72, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 21.215, 119.571 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(62, 72, 39) }
```

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

```
.border{ border-color:rgb(62, 72, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 72, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 72, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 72, 39);  
box-shadow:4px 4px 4px 4px rgb(62, 72, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 21.215, 119.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 72, 39) }
```

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

```
.background{ background-color: rgb(62, 72,  
39) }
```

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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