

Converting Colors

CIELCh(30, 10.531, 128.198)

Have a look what the booklet for
CIELCh(30, 10.531, 128.198)
contains.

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Color

CIELCh(30, 10.236, 129.412)

Conversions

Conversions Part 1

Format	Color
Hex	41493A
RGB	65, 73, 58
RGB Percent	25%, 29%, 23%
CMY	0.7442, 0.7128, 0.7717
CMYK	0.11, 0.00, 0.20, 0.71
HSL	92°, 11%, 26%
HSV	92°, 20%, 29%
XYZ	5.3631, 6.2359, 4.9545
YIQ	68.8980, 0.0470, -6.3610

Conversions

Conversions Part 2

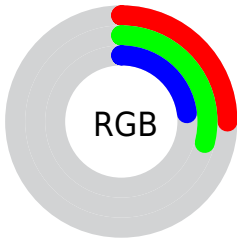
Format	Color
RYB	58, 73, 66
Decimal	4278586
CIELab	30.00, -6.50, 7.91
CIELCh	30, 10.236, 129.412
Yxy	6.2359, 0.3240, 0.3767
Android (android.graphics.Color)	4282468666 (0xFF41493A)
YUV	68.8980, -5.3727, -3.4185
Hunter-Lab	24.9718, -5.3646, 5.7169

Details

The CIELCh color **30, 10.236, 129.412** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 10.476, 311.046**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 10.594, 129.513**, and **10, 9.540, 128.226** is the 20% darker color. If you saturate the color by 10%, you get **30, 15.217, 128.982**, and if you desaturate by 10%, it is **31, 5.235, 129.832**.

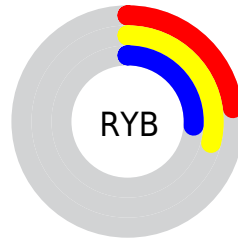
Distribution



Red (25%)

Green (29%)

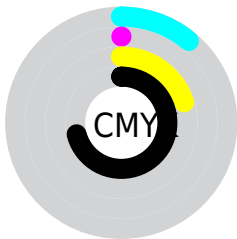
Blue (23%)



Red (23%)

Yellow (29%)

Blue (26%)

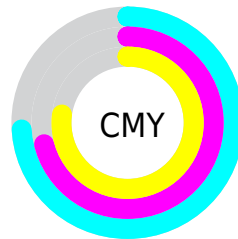


Cyan (11%)

Magenta (0%)

Yellow (20%)

Black (71%)



Cyan (74%)


Magenta (71%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 10.236, 129.412 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, 10.236, 129.412 by changing the saturation by 10% instead.


 30, 10.236,
129.412


 30, 10.236,
129.412

 100, 10.236,
129.412


 20, 10.236,
129.412


 50, 10.236,
129.412


 10, 10.236,
129.412

 60, 10.236,
129.412

 0, 10.236, 129.412

 70, 10.236,
129.412

 80, 10.236,
129.412

 90, 10.236,
129.412

■ 30, 10.236,
129.412

■ 30, 10.236,
129.412

■ 30, 15.217,
128.982

■ 31, 5.235, 129.832

■ 29, 20.133,
128.548

■ 31, 0.241, 130.467

■ 32, 4.719, 310.551

■ 29, 24.924,
128.132

■ 32, 9.631, 310.885

■ 28, 29.510,
127.771

■ 33, 14.482,
311.184

■ 28, 33.777,
127.519

■ 34, 19.262,
311.453

■ 28, 37.577,
127.449

■ 34, 23.967,
311.695

■ 27, 40.828,
127.587

■ 35, 28.591,
311.911

■ 27, 43.982,

■ 36, 33.133,

127.498

312.104

Harmonies

Complementary

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



30, 10.236, 129.412



26, 10.476, 311.046

Rectangle

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



30, 10.236, 129.412



30, 10.236, 179.412



30, 10.236, 309.412



30, 10.236, 359.412

Sweetspot

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



30, 10.237, 129.414



40, 3.686, 130.009



29, 6.117, 76.604



20, 2.466, 129.999



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, 10.237, 129.414



38, 15.402, 129.181



29, 11.512, 144.178



14, 2.719, 129.912



37, 54.737, 128.140



81, 101.179, 129.318

Inverse Universe

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



26, 10.476, 311.046



32, 15.861, 311.285



27, 11.524, 326.351



13, 2.749, 310.541



14, 61.751, 313.348



37, 113.596, 312.533

Previews

White Background



This preview shows how the CIELCh color 30, 10.236, 129.412 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, 10.236, 129.412 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

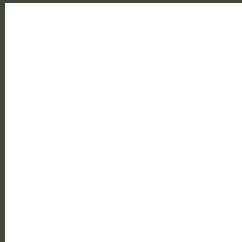
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 10.236, 129.412

Background



This preview shows how black text looks on a background with the CIELCh color 30, 10.236, 129.412.

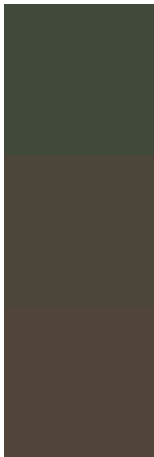


This preview shows how white text looks on a background with the CIELCh color 30, 10.236, 129.412.

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, 10.236, 129.412

Protanopia

30, 8.616, 92.662

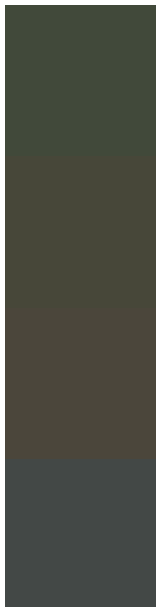
Deuteranopia

30, 8.475, 62.414



Tritanopia
30, 3.421, 268.945

Trichromacy



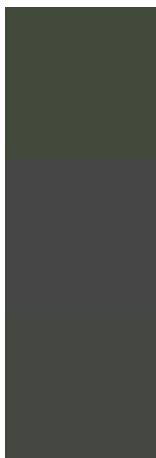
Original Color
30, 10.236, 129.412

Protanomaly
30, 8.904, 108.482

Deuteranomaly
30, 7.395, 90.350

Tritanomaly
30, 2.546, 168.952

Monochromacy



Original Color
30, 10.236, 129.412

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 4.073, 128.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 10.236, 129.412 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(65, 73, 58)` looks like.

```
.text, #text, p{  
    color:rgb(65, 73, 58)  
}
```

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(65, 73, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 73, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 10.236, 129.412 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(65, 73, 58) }
```

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

```
.border{ border-color:rgb(65, 73, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 73, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 73, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 73, 58);  
box-shadow:4px 4px 4px 4px rgb(65, 73, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 10.236, 129.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 73, 58) }
```

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

```
.background{ background-color: rgb(65, 73,  
58) }
```

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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