

Converting Colors

CIELCh(30, 12.481, 123.129)

Have a look what the booklet for
CIELCh(30, 12.481, 123.129)
contains.

CIELCh(30, 12.481, 123.129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 12.481, 123.129)

Conversions

Conversions Part 1

Format	Color
Hex	424936
RGB	66, 73, 54
RGB Percent	26%, 29%, 21%
CMY	0.7402, 0.7127, 0.7872
CMYK	0.10, 0.00, 0.26, 0.71
HSL	82°, 15%, 25%
HSV	82°, 26%, 29%
XYZ	5.3361, 6.2359, 4.4436
YIQ	68.7410, 1.9270, -7.3930

Conversions

Conversions Part 2

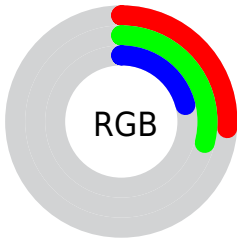
Format	Color
RYB	54, 73, 61
Decimal	4344118
CIELab	30.00, -6.82, 10.45
CIElCh	30, 12.481, 123.129
Yxy	6.2359, 0.3332, 0.3894
Android (android.graphics.Color)	4282534198 (0xFF424936)
YUV	68.7410, -7.2673, -2.4039
Hunter-Lab	24.9718, -5.5576, 6.9298

Details

The CIELCh color **30, 12.481, 123.129** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 13.005, 305.682**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 12.664, 123.971**, and **10, 12.169, 121.728** is the 20% darker color. If you saturate the color by 10%, you get **30, 17.224, 122.652**, and if you desaturate by 10%, it is **30, 7.684, 123.613**.

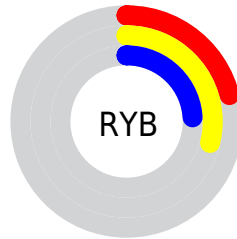
Distribution



Red (26%)

Green (29%)

Blue (21%)



Red (21%)

Yellow (29%)

Blue (24%)

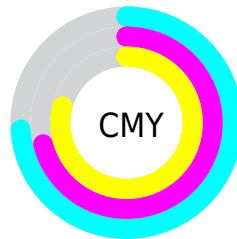


Cyan (10%)

Magenta (0%)

Yellow (26%)

Black (71%)



Cyan (74%)


Magenta (71%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 12.481, 123.129 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, 12.481, 123.129 by changing the saturation by 10% instead.


 30, 12.481,
123.129


 30, 12.481,
123.129

 100, 12.481,
123.129


 20, 12.481,
123.129


 50, 12.481,
123.129


 10, 12.481,
123.129

 60, 12.481,
123.129

 0, 12.481, 123.129

 70, 12.481,
123.129

 80, 12.481,
123.129

 90, 12.481,
123.129

■ 30, 12.481,
123.129

■ 30, 12.481,
123.129

■ 30, 17.224,
122.652

■ 30, 7.684, 123.613

■ 29, 21.862,
122.194

■ 31, 2.864, 124.089

■ 29, 26.330,
121.787

■ 31, 1.955, 304.506

■ 29, 30.531,
121.475

■ 32, 11.518,
305.343

■ 28, 34.337,
121.319

■ 33, 16.241,
305.713

■ 28, 37.583,
121.400

■ 33, 20.913,
306.055

■ 28, 40.618,
121.487

■ 34, 25.529,
306.371

■ 28, 41.907,

■ 35, 30.085,

121.467

306.661

Harmonies

Complementary

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



30, 12.481, 123.129



24, 13.005, 305.682

Rectangle

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



30, 12.481, 123.129



30, 12.481, 173.129



30, 12.481, 303.129



30, 12.481, 353.129

Sweetspot

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



30, 12.482, 123.131



40, 4.751, 123.977



27, 7.376, 57.724



20, 3.405, 123.932



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, 12.482, 123.131



38, 18.350, 122.833



29, 14.298, 139.497



14, 2.626, 123.965



38, 52.006, 122.089



82, 95.801, 123.227

Inverse Universe

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



24, 13.005, 305.682



30, 19.328, 306.055



25, 14.397, 321.849



13, 2.665, 304.739



11, 63.825, 309.946



33, 117.617, 309.192

Previews

White Background



This preview shows how the CIELCh color 30, 12.481, 123.129 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, 12.481, 123.129 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

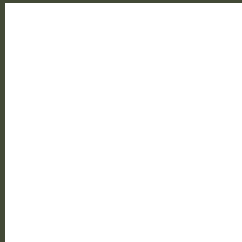
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 12.481, 123.129

Background



This preview shows how black text looks on a background with the CIELCh color 30, 12.481, 123.129.

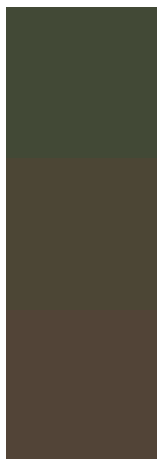


This preview shows how white text looks on a background with the CIELCh color 30, 12.481, 123.129.

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

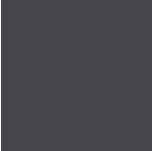
30, 12.481, 123.129

Protanopia

30, 11.202, 93.159

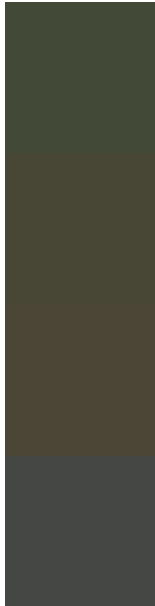
Deuteranopia

30, 10.779, 69.750



Tritanopia
30, 3.864, 284.586

Trichromacy



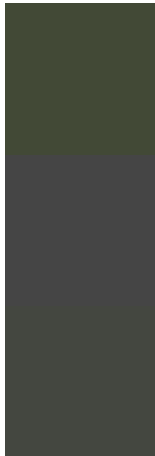
Original Color
30, 12.481, 123.129

Protanomaly
30, 11.432, 105.604

Deuteranomaly
30, 9.978, 91.655

Tritanomaly
30, 2.344, 144.283

Monochromacy



Original Color
30, 12.481, 123.129

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 4.681, 126.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 12.481, 123.129 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(66, 73, 54)` looks like.

```
.text, #text, p{  
    color:rgb(66, 73, 54)  
}
```

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(66, 73, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 73, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 12.481, 123.129 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(66, 73, 54) }
```

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

```
.border{ border-color:rgb(66, 73, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 73, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 73, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 73, 54);  
box-shadow:4px 4px 4px 4px rgb(66, 73, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 12.481, 123.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 73, 54) }
```

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

```
.background{ background-color: rgb(66, 73,  
54) }
```

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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