

Converting Colors

CIELCh(30, 12.648, 142.989)

Have a look what the booklet for
CIELCh(30, 12.648, 142.989)
contains.

CIELCh(30, 12.506, 143.227)	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, 12.506, 143.227)

Conversions

Conversions Part 1

Format	Color
Hex	3B4B3B
RGB	59, 75, 59
RGB Percent	23%, 29%, 23%
CMY	0.7695, 0.7068, 0.7695
CMYK	0.21, 0.00, 0.21, 0.71
HSL	120°, 12%, 26%
HSV	120°, 21%, 29%
XYZ	5.0733, 6.2359, 5.0428
YIQ	68.3920, -4.4000, -8.3680

Conversions

Conversions Part 2

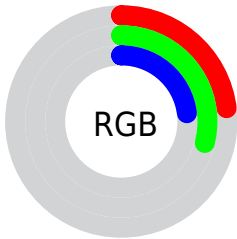
Format	Color
RYB	59, 75, 75
Decimal	3885883
CIELab	30.00, -10.02, 7.49
CIELCh	30, 12.506, 143.227
Yxy	6.2359, 0.3103, 0.3814
Android (android.graphics.Color)	4282075963 (0xFF3B4B3B)
YUV	68.3920, -4.6303, -8.2368
Hunter-Lab	24.9718, -7.4363, 5.5072

Details

The CIELCh color **30, 12.506, 143.227** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 12.516, 325.486**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 12.864, 143.606**, and **10, 12.279, 143.469** is the 20% darker color. If you saturate the color by 10%, you get **29, 18.354, 142.507**, and if you desaturate by 10%, it is **31, 6.634, 143.859**.

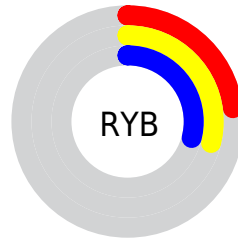
Distribution



Red (23%)

Green (29%)

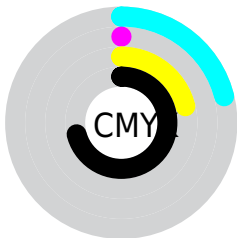
Blue (23%)



Red (23%)

Yellow (29%)

Blue (29%)

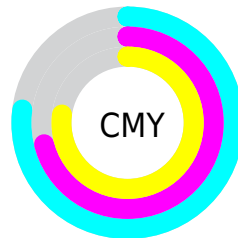


Cyan (21%)

Magenta (0%)

Yellow (21%)

Black (71%)



Cyan (77%)


Magenta (71%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 12.506, 143.227 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, 12.506, 143.227 by changing the saturation by 10% instead.


 30, 12.506,
143.227


 30, 12.506,
143.227

 100, 12.506,
143.227


 20, 12.506,
143.227


 50, 12.506,
143.227


 10, 12.506,
143.227

 60, 12.506,
143.227

 0, 12.506, 143.227

 70, 12.506,
143.227

 80, 12.506,
143.227

 90, 12.506,
143.227

■ 30, 12.506,
143.227

■ 30, 12.506,
143.227

■ 29, 18.354,
142.507

■ 31, 6.634, 143.859

■ 29, 24.089,
141.688

■ 32, 0.802, 144.536

■ 33, 4.941, 324.812

■ 28, 29.599,
140.774

■ 34, 10.560,
325.223

■ 28, 34.748,
139.784

■ 35, 16.034,
325.568

■ 27, 39.374,
138.760

■ 36, 21.350,
325.863

■ 27, 43.291,
137.778

■ 37, 26.503,
326.118

■ 27, 46.463,
136.894

■ 38, 31.493,
326.339

■ 27, 49.276,

136.096

■ 39, 36.321,
326.530

Harmonies

Complementary

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



30, 12.506, 143.227



27, 12.516, 325.486

Rectangle

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



30, 12.506, 143.227



30, 12.506, 193.227



30, 12.506, 323.227



30, 12.506, 13.227

Sweetspot

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



30, 12.507, 143.227



40, 4.315, 144.163



31, 10.078, 108.322



20, 2.824, 144.149



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, 12.507, 143.227



38, 18.854, 142.837



30, 8.668, 161.987



15, 3.306, 144.018



37, 61.117, 136.018



80, 110.604, 136.017

Inverse Universe

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



27, 12.516, 325.486



34, 18.862, 325.759



27, 8.879, 345.315



14, 3.312, 324.847



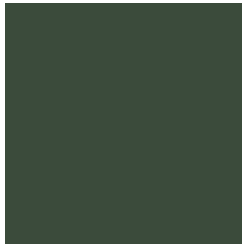
23, 58.965, 328.238



54, 106.705, 328.238

Previews

White Background



This preview shows how the CIE LCh color 30, 12.506, 143.227 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 30, 12.506, 143.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

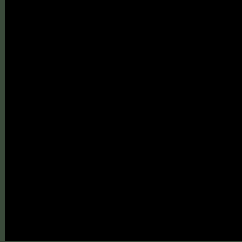
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 12.506, 143.227

Background



This preview shows how black text looks on a background with the CIELCh color 30, 12.506, 143.227.

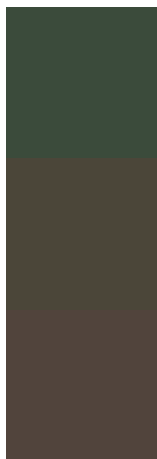


This preview shows how white text looks on a background with the CIELCh color 30, 12.506, 143.227.

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, 12.506, 143.227

Protanopia

30, 8.616, 92.662

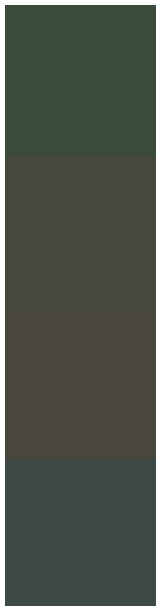
Deuteranopia

30, 8.027, 59.328



Tritanopia
30, 5.547, 243.007

Trichromacy



Original Color
30, 12.506, 143.227

Protanomaly
30, 9.008, 117.391

Deuteranomaly
30, 6.527, 96.613

Tritanomaly
30, 5.300, 184.597

Monochromacy



Original Color
30, 12.506, 143.227

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 3.926, 144.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 12.506, 143.227 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(59, 75, 59)` looks like.

```
.text, #text, p{  
    color:rgb(59, 75, 59)  
}
```

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(59, 75, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 75, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 12.506, 143.227 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(59, 75, 59) }
```

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

```
.border{ border-color:rgb(59, 75, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 75, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 75, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 75, 59);  
box-shadow:4px 4px 4px 4px rgb(59, 75, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 12.506, 143.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 75, 59) }
```

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

```
.background{ background-color: rgb(59, 75,  
59) }
```

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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