

Converting Colors

CIELCh(30, 19.428, 142.380)

Have a look what the booklet for
CIELCh(30, 19.428, 142.380)
contains.

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Color

CIELCh(30, 19.450, 142.408)

Conversions

Conversions Part 1

Format	Color
Hex	344D34
RGB	52, 77, 52
RGB Percent	20%, 30%, 20%
CMY	0.7972, 0.6992, 0.7971
CMYK	0.33, 0.00, 0.33, 0.70
HSL	120°, 19%, 25%
HSV	120°, 33%, 30%
XYZ	4.6496, 6.2359, 4.1756
YIQ	66.6750, -6.8750, -13.0750

Conversions

Conversions Part 2

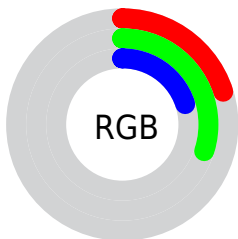
Format	Color
RYB	52, 77, 77
Decimal	3427636
CIELab	30.00, -15.41, 11.87
CIELCh	30, 19.450, 142.408
Yxy	6.2359, 0.3087, 0.4140
Android (android.graphics.Color)	4281617716 (0xFF344D34)
YUV	66.6750, -7.2348, -12.8700
Hunter-Lab	24.9718, -10.4651, 7.5661

Details

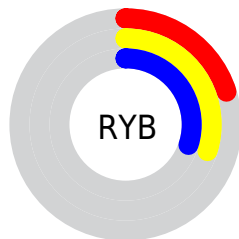
The CIELCh color **30, 19.450, 142.408** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **25, 19.449, 326.038**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 19.282, 143.121**, and **10, 19.922, 142.436** is the 20% darker color. If you saturate the color by 10%, you get **29, 25.285, 141.573**, and if you desaturate by 10%, it is **31, 13.487, 143.144**.

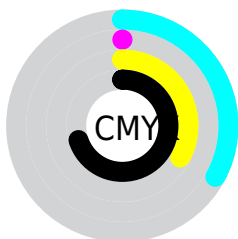
Distribution



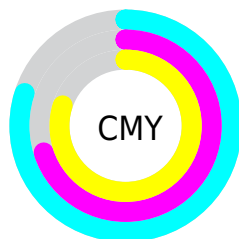
- Red (20%)
- Green (30%)
- Blue (20%)



- Red (20%)
- Yellow (30%)
- Blue (30%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (70%)





- Cyan (80%)
- Magenta (70%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 19.450, 142.408 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, 19.450, 142.408 by changing the saturation by 10% instead.


 30, 19.450,
142.408


 30, 19.450,
142.408

 100, 19.450,
142.408


 20, 19.450,
142.408


 50, 19.450,
142.408


 10, 19.450,
142.408

 60, 19.450,
142.408

 0, 19.450, 142.408

 70, 19.450,
142.408

 80, 19.450,
142.408

 90, 19.450,
142.408

■ 30, 19.450,
142.408

■ 30, 19.450,
142.408

■ 29, 25.285,
141.573

■ 31, 13.487,
143.144

■ 29, 30.872,
140.643

■ 32, 7.486, 143.789

■ 28, 36.068,
139.641

■ 32, 1.520, 144.406

■ 33, 4.359, 324.762

■ 28, 40.700,
138.613

■ 34, 10.115,
325.184

■ 28, 44.577,
137.641

■ 35, 15.724,
325.537

■ 28, 47.723,
136.768

■ 37, 21.172,
325.839

■ 27, 50.175,
136.054

■ 38, 26.453,
326.098

■ 39, 31.566,
326.323

Harmonies

Complementary

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



30, 19.450, 142.408



25, 19.449, 326.038

Rectangle

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



30, 19.450, 142.408



30, 19.450, 192.408



30, 19.450, 322.408



30, 19.450, 12.408

Sweetspot

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



30, 19.451, 142.408



41, 7.370, 143.921



32, 15.593, 107.341



20, 5.072, 143.875



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 19.451, 142.408



38, 28.759, 141.761



30, 13.411, 160.936



15, 3.306, 144.022



37, 61.114, 136.021



80, 110.602, 136.018

Inverse Universe

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



25, 19.449, 326.038



32, 28.724, 326.404



25, 13.905, 346.371



14, 3.312, 324.851



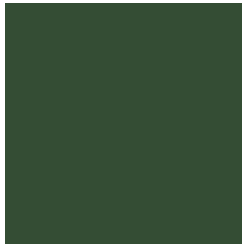
23, 58.959, 328.243



54, 106.694, 328.244

Previews

White Background



This preview shows how the CIELCh color 30, 19.450, 142.408 looks on a white background.

Color Contrast Check

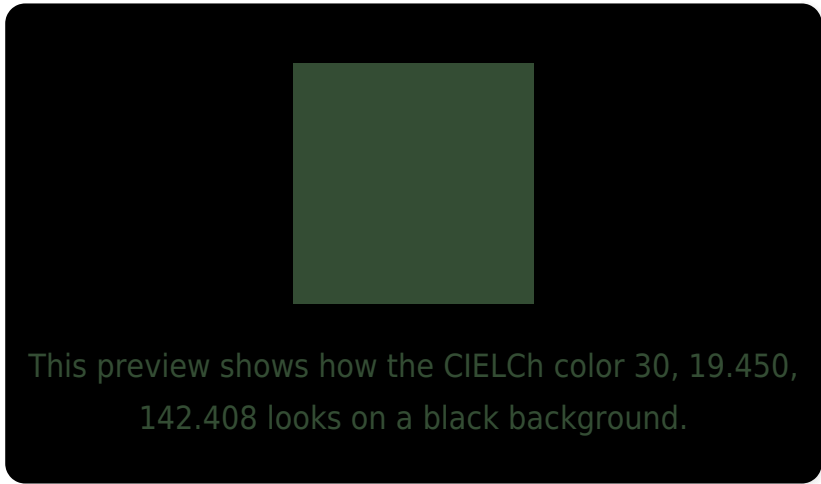
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

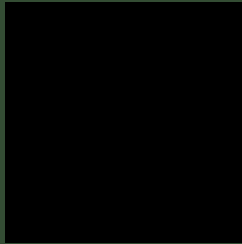
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 19.450, 142.408

Background



This preview shows how black text looks on a background with the CIELCh color 30, 19.450, 142.408.



This preview shows how white text looks on a background with the CIELCh color 30, 19.450, 142.408.

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

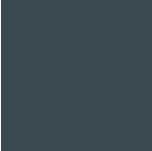
30, 19.450, 142.408

Protanopia

30, 13.657, 95.216

Deuteranopia

30, 11.615, 69.654



Tritanopia
30, 7.368, 230.216

Trichromacy



Original Color
30, 19.450, 142.408

Protanomaly
30, 14.121, 117.260

Deuteranomaly
30, 11.432, 105.604

Tritanomaly
30, 8.696, 176.388

Monochromacy



Original Color
30, 19.450, 142.408

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 7.093, 143.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 19.450, 142.408 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(52, 77, 52)` looks like.

```
.text, #text, p{  
    color:rgb(52, 77, 52)  
}
```

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(52, 77, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 77, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 19.450, 142.408 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(52, 77, 52) }
```

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

```
.border{ border-color:rgb(52, 77, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 77, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 77, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 77, 52);  
box-shadow:4px 4px 4px 4px rgb(52, 77, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 19.450, 142.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 77, 52) }
```

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

```
.background{ background-color: rgb(52, 77,  
52) }
```

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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