

Converting Colors

CIELCh(30, 28.342, 142.964)

Have a look what the booklet for
CIELCh(30, 28.342, 142.964)
contains.

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Color

CIELCh(30, 28.342, 142.964)

Conversions

Conversions Part 1

Format	Color
Hex	284F2B
RGB	40, 79, 43
RGB Percent	16%, 31%, 17%
CMY	0.8427, 0.6898, 0.8310
CMYK	0.49, 0.00, 0.46, 0.69
HSL	125°, 33%, 23%
HSV	125°, 49%, 31%
XYZ	4.1208, 6.2359, 3.2815
YIQ	63.2350, -11.6880, -19.4640

Conversions

Conversions Part 2

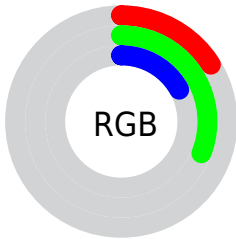
Format	Color
R_{YB}	40, 76, 79
Decimal	2641707
CIE _{Lab}	30.00, -22.62, 17.07
CIE _{LCh}	30, 28.342, 142.964
Yxy	6.2359, 0.3022, 0.4572
Android (android.graphics.Color)	4280831787 (0xFF284F2B)
YUV	63.2350, -9.9759, -20.3771
Hunter-Lab	24.9718, -14.2447, 9.6891

Details

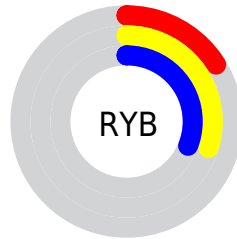
The CIELCh color **30, 28.342, 142.964** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **23, 28.243, 329.111**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 28.654, 142.936**, and **10, 25.067, 143.948** is the 20% darker color. If you saturate the color by 10%, you get **30, 33.599, 141.916**, and if you desaturate by 10%, it is **31, 22.785, 143.905**.

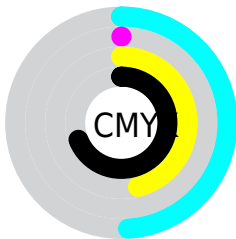
Distribution



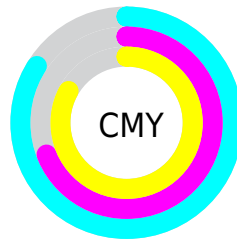
- Red (16%)
- Green (31%)
- Blue (17%)



- Red (16%)
- Yellow (30%)
- Blue (31%)



- Cyan (49%)
- Magenta (0%)
- Yellow (46%)
- Black (69%)





- Cyan (84%)
- Magenta (69%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 28.342, 142.964 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, 28.342, 142.964 by changing the saturation by 10% instead.


 30, 28.342,
142.964

 30, 28.342,
142.964

 100, 28.342,
142.964


 20, 28.342,
142.964


 50, 28.342,
142.964


 10, 28.342,
142.964

 60, 28.342,
142.964

 0, 28.342, 142.964

 70, 28.342,
142.964

 80, 28.342,
142.964

 90, 28.342,
142.964

■ 30, 28.342,
142.964

■ 30, 28.342,
142.964

■ 30, 33.599,
141.916

■ 31, 22.785,
143.905

■ 29, 38.420,
140.778

■ 31, 17.043,
144.735

■ 29, 42.658,
139.595

■ 32, 11.215,
145.460

■ 29, 46.162,
138.448

■ 33, 5.379, 146.099

■ 28, 49.115,
137.666

■ 34, 0.405, 326.263

■ 28, 49.323,
137.613

■ 35, 6.093, 327.058

■ 36, 11.654,
327.474

■ 37, 17.068,
327.830

■ 38, 22.323,
328.138

Harmonies

Complementary

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



30, 28.342, 142.964



23, 28.243, 329.111

Rectangle

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



30, 28.342, 142.964



30, 28.342, 192.964



30, 28.342, 322.964



30, 28.342, 12.964

Sweetspot

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



30, 28.343, 142.964



42, 10.739, 145.710



33, 23.873, 108.992



20, 7.238, 145.639



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, 28.343, 142.964



38, 41.112, 141.721



30, 19.327, 162.732



16, 3.314, 146.132



38, 60.421, 137.208



81, 110.148, 136.529

Inverse Universe

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



23, 28.243, 329.111



28, 40.695, 329.674



22, 20.800, 352.423



15, 3.321, 327.001



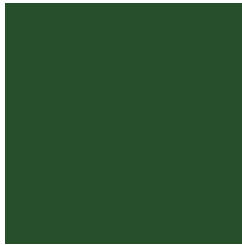
23, 56.675, 331.359



54, 101.235, 331.595

Previews

White Background



This preview shows how the CIELCh color 30, 28.342, 142.964 looks on a white background.

Color Contrast Check

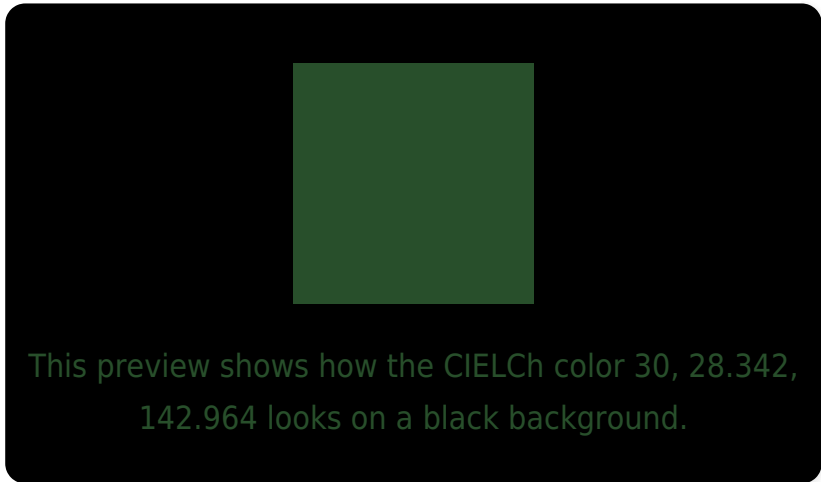
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.342, 142.964

Background



This preview shows how black text looks on a background with the CIELCh color 30, 28.342, 142.964.



This preview shows how white text looks on a background with the CIELCh color 30, 28.342, 142.964.

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

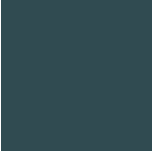
30, 28.342, 142.964

Protanopia

30, 19.222, 95.962

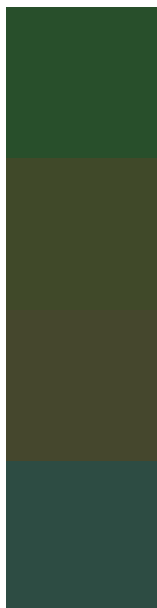
Deuteranopia

30, 16.311, 74.013



Tritanopia
30, 10.825, 218.970

Trichromacy



Original Color
30, 28.342, 142.964

Protanomaly
29, 20.479, 118.765

Deuteranomaly
29, 16.429, 110.439

Tritanomaly
30, 14.017, 172.914

Monochromacy



Original Color
30, 28.342, 142.964

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 10.562, 145.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 28.342, 142.964 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(40, 79, 43)` looks like.

```
.text, #text, p{  
    color:rgb(40, 79, 43)  
}
```

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(40, 79, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 79, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 28.342, 142.964 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(40, 79, 43) }
```

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

```
.border{ border-color:rgb(40, 79, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 79, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 79, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 79, 43);  
box-shadow:4px 4px 4px 4px rgb(40, 79, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 28.342, 142.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 79, 43) }
```

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

```
.background{ background-color: rgb(40, 79,  
43) }
```

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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