

Converting Colors

CIELCh(34, 28.113, 129.081)

Have a look what the booklet for
CIELCh(34, 28.113, 129.081)
contains.

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Color

CIELCh(34, 28.334, 128.971)

Conversions

Conversions Part 1

Format	Color
Hex	3F572C
RGB	63, 87, 44
RGB Percent	25%, 34%, 17%
CMY	0.7538, 0.6597, 0.8283
CMYK	0.28, 0.00, 0.50, 0.66
HSL	93°, 33%, 26%
HSV	93°, 50%, 34%
XYZ	5.8753, 8.0082, 3.5978
YIQ	74.9220, -0.5010, -18.4610

Conversions

Conversions Part 2

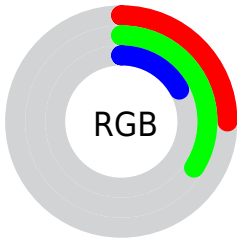
Format	Color
R_{YB}	44, 87, 68
Decimal	4151084
CIE Lab	34.00, -17.82, 22.03
CIE LCh	34, 28.334, 128.971
Yxy	8.0082, 0.3361, 0.4581
Android (android.graphics.Color)	4282341164 (0xFF3F572C)
YUV	74.9220, -15.2445, -10.4556
Hunter-Lab	28.2988, -12.4633, 12.2713

Details

The CIELCh color $[34, 28.334, 128.971]$ is a dark color, and the websafe version is hex $\#336633$. A complement of this color would be $[23, 29.986, 313.199]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 28.113, 129.081]$, and $[14, 26.393, 130.021]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 33.641, 128.596]$, and if you desaturate by 10%, it is $[34, 22.781, 129.404]$.

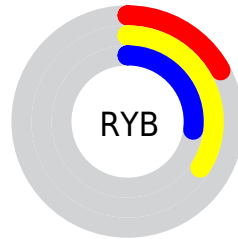
Distribution



Red (25%)

Green (34%)

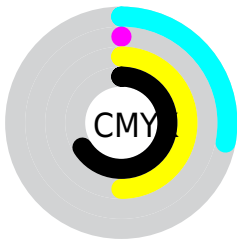
Blue (17%)



Red (17%)

Yellow (34%)

Blue (27%)

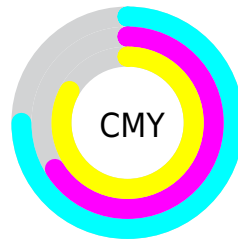


Cyan (28%)

Magenta (0%)

Yellow (50%)

Black (66%)



Cyan (75%)


Magenta (66%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 28.334, 128.971 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 34, 28.334, 128.971 by changing the saturation by 10% instead.


 34, 28.334,
128.971


 34, 28.334,
128.971

 100, 28.334,
128.971


 24, 28.334,
128.971

 54, 28.334,
128.971


 14, 28.334,
128.971

 64, 28.334,
128.971

 4, 28.334, 128.971

 74, 28.334,
128.971

 0, 28.334, 128.971

 84, 28.334,
128.971

 94, 28.334,
128.971

■ 34, 28.334,
128.971

■ 34, 28.334,
128.971

■ 34, 33.641,
128.596

■ 34, 22.781,
129.404

■ 33, 38.559,
128.333

■ 35, 17.080,
129.852

■ 33, 42.907,
128.267

■ 36, 11.305,
130.295

■ 33, 46.480,
128.492

■ 36, 5.509, 130.720

■ 32, 49.849,
128.603

■ 37, 0.272, 310.819

■ 32, 50.012,
128.598

■ 38, 6.008, 311.440

■ 38, 11.679,
311.770

■ 39, 17.272,
312.064

■ 40, 22.777,
312.326

Harmonies

Complementary

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



34, 28.334, 128.971



23, 29.986, 313.199

Rectangle

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



34, 28.334, 128.971



34, 28.334, 178.971



34, 28.334, 308.971



34, 28.334, 358.971

Sweetspot

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



34, 28.335, 128.972



46, 10.725, 130.469



30, 18.127, 74.661



23, 7.239, 130.416



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



34, 28.335, 128.972



43, 41.122, 128.551



33, 31.273, 142.143



17, 3.229, 130.752



40, 58.189, 129.036



83, 104.577, 130.081

Inverse Universe

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



23, 29.986, 313.199



27, 44.122, 313.654



25, 31.147, 328.314



16, 3.264, 311.406



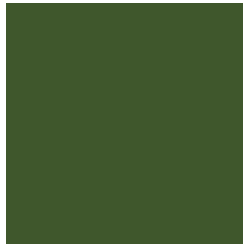
16, 64.786, 313.864



39, 115.862, 313.134

Previews

White Background



This preview shows how the CIELCh color 34, 28.334, 128.971 looks on a white background.

Color Contrast Check

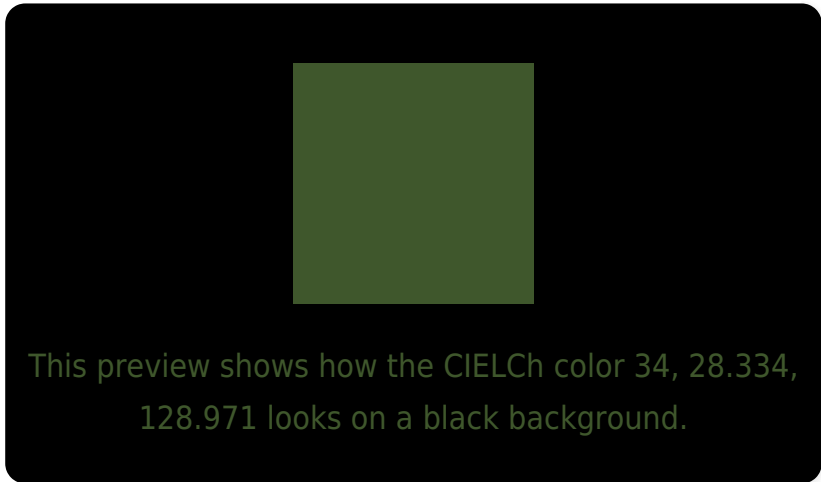
Large Text (above 18pt) WCAG AA ✓ Pass

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

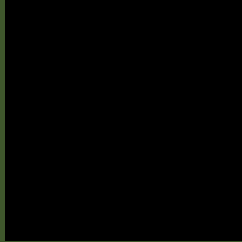
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 28.334, 128.971

Background



This preview shows how black text looks on a background with the CIELCh color 34, 28.334, 128.971.



This preview shows how white text looks on a background with the CIELCh color 34, 28.334, 128.971.

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

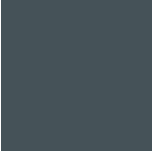
34, 28.334, 128.971

Protanopia

34, 24.177, 96.463

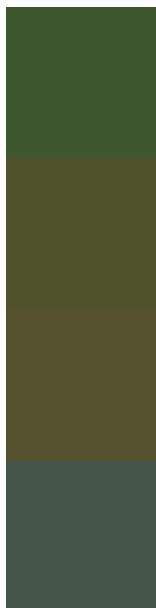
Deuteranopia

34, 21.618, 77.770



Tritanopia
34, 6.340, 235.405

Trichromacy



Original Color
34, 28.334, 128.971

Protanomaly
34, 24.352, 109.392

Deuteranomaly
34, 21.639, 99.839

Tritanomaly
34, 10.557, 152.690

Monochromacy



Original Color
34, 28.334, 128.971

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 10.100, 129.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 28.334, 128.971 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(63, 87, 44)` looks like.

```
.text, #text, p{  
    color:rgb(63, 87, 44)  
}
```

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(63, 87, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 87, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 28.334, 128.971 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(63, 87, 44) }
```

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

```
.border{ border-color:rgb(63, 87, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 87, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 87, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 87, 44);  
box-shadow:4px 4px 4px 4px rgb(63, 87, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 28.334, 128.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 87, 44) }
```

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

```
.background{ background-color: rgb(63, 87,  
44) }
```

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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