

Converting Colors

CIELCh(17, 13.474, 129.018)

Have a look what the booklet for
CIELCh(17, 13.474, 129.018)
contains.

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Color

CIELCh(17, 13.318, 129.494)

Conversions

Conversions Part 1

Format	Color
Hex	232D1B
RGB	35, 45, 27
RGB Percent	14%, 18%, 11%
CMY	0.8632, 0.8240, 0.8945
CMYK	0.22, 0.00, 0.40, 0.82
HSL	93°, 25%, 14%
HSV	93°, 40%, 18%
XYZ	1.8202, 2.3023, 1.3790
YIQ	39.9580, -0.1820, -7.7180

Conversions

Conversions Part 2

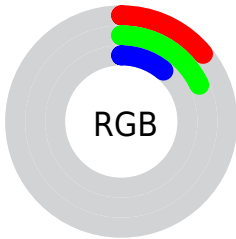
Format	Color
R_{YB}	27, 45, 37
Decimal	2305307
CIE Lab	17.00, -8.47, 10.28
CIE LCh	17, 13.318, 129.494
Yxy	2.3023, 0.3309, 0.4185
Android (android.graphics.Color)	4280495387 (0xFF232D1B)
YUV	39.9580, -6.3883, -4.3482
Hunter-Lab	15.1734, -5.1409, 5.2330

Details

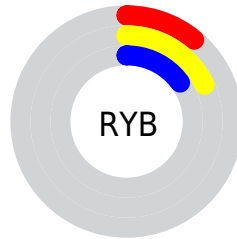
The CIELCh color **17, 13.318, 129.494** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 13.859, 312.488**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 13.767, 128.938**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 16.561, 129.103**, and if you desaturate by 10%, it is **17, 10.018, 129.892**.

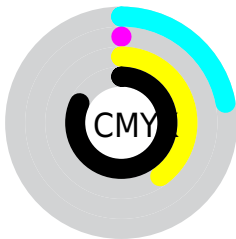
Distribution



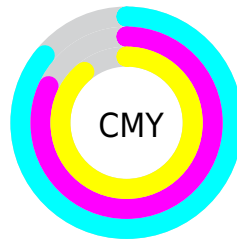
- Red (14%)
- Green (18%)
- Blue (11%)



- Red (11%)
- Yellow (18%)
- Blue (15%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (82%)



- Cyan (86%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 13.318, 129.494 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 17, 13.318, 129.494 by changing the saturation by 10% instead.

■ 17, 13.318,
129.494

■ 17, 13.318,
129.494

■ 100, 13.318,
129.494

■ 7, 13.318, 129.494

■ 37, 13.318,
129.494

■ 0, 13.318, 129.494

■ 47, 13.318,
129.494


■ 57, 13.318,
129.494


■ 67, 13.318,
129.494

■ 77, 13.318,
129.494


■ 87, 13.318,


129.494


 97, 13.318,
129.494

 17, 13.318,
129.494


 17, 13.318,
129.494

 17, 16.561,
129.103


 17, 10.018,
129.892

 16, 19.693,
128.767


 18, 6.689, 130.280

 16, 22.456,
128.928

 18, 3.352, 130.655

 16, 24.788,
129.505

 18, 0.025, 132.921

 16, 27.003,
130.073

 19, 6.555, 311.592

■ 16, 29.207,
130.513

■ 20, 9.791, 311.863

■ 20, 12.985,
312.108

■ 21, 16.131,
312.330

Harmonies

Complementary

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



17, 13.318, 129.494



12, 13.859, 312.488

Rectangle

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



17, 13.318, 129.494



17, 13.318, 179.494



17, 13.318, 309.494



17, 13.318, 359.494

Sweetspot

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



17, 13.319, 129.495



24, 5.001, 130.558



15, 8.250, 76.408



11, 3.356, 130.562



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 13.319, 129.495



23, 19.874, 129.074



16, 14.745, 143.447



8, 1.742, 131.382



32, 49.945, 128.518



76, 97.487, 129.921

Inverse Universe

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



12, 13.859, 312.488



15, 20.924, 312.917



13, 14.741, 327.626



7, 1.737, 310.592



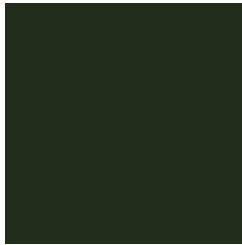
11, 55.796, 314.096



36, 108.198, 313.127

Previews

White Background



This preview shows how the CIE LCh color 17, 13.318, 129.494 looks on a white background.

Color Contrast Check

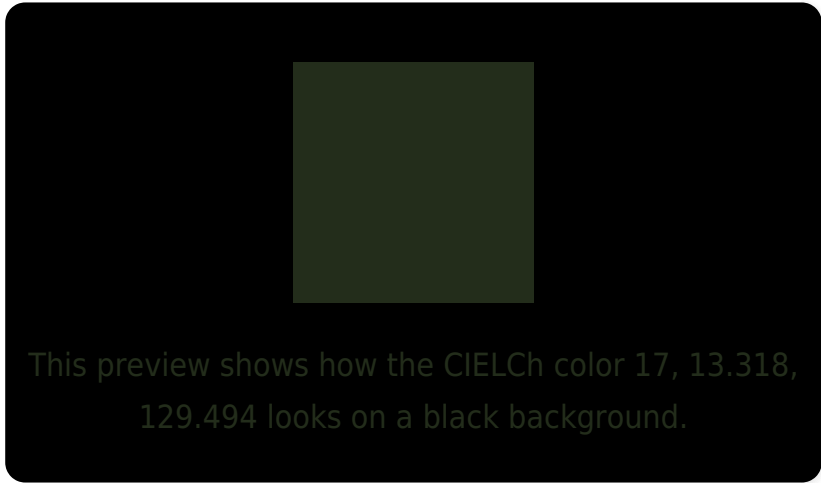
Large Text (above 18pt) WCAG AA ✓ Pass

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 17, 13.318, 129.494

Background



This preview shows how black text looks on a background with the CIELCh color 17, 13.318, 129.494.

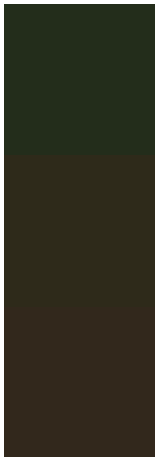


This preview shows how white text looks on a background with the CIELCh color 17, 13.318, 129.494.

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

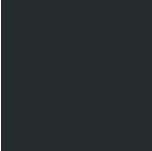
17, 13.318, 129.494

Protanopia

17, 11.202, 96.226

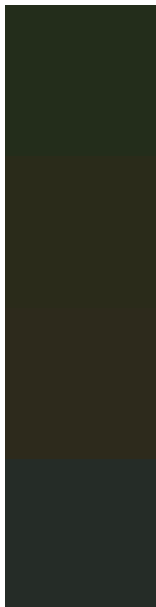
Deuteranopia

17, 9.972, 75.418



Tritanopia
17, 3.044, 242.451

Trichromacy



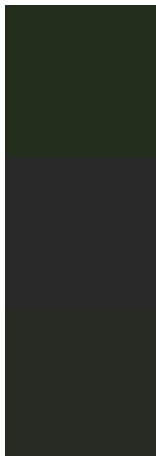
Original Color
17, 13.318, 129.494

Protanomaly
17, 11.634, 109.712

Deuteranomaly
17, 9.768, 98.267

Tritanomaly
17, 4.850, 152.825

Monochromacy



Original Color
17, 13.318, 129.494

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.264, 130.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 13.318, 129.494 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(35, 45, 27)` looks like.

```
.text, #text, p{  
    color:rgb(35, 45, 27)  
}
```

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(35, 45, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 45, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 13.318, 129.494 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(35, 45, 27) }
```

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

```
.border{ border-color:rgb(35, 45, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 45, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 45, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 45, 27);  
box-shadow:4px 4px 4px 4px rgb(35, 45, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 13.318, 129.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 45, 27) }
```

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

```
.background{ background-color: rgb(35, 45,  
27) }
```

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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