

Converting Colors

CIELCh(13, 16.522, 329.389)

Have a look what the booklet for
CIELCh(13, 16.522, 329.389)
contains.

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Color

CIELCh(13, 16.514, 329.256)

Conversions

Conversions Part 1

Format	Color
Hex	2F1A2D
RGB	47, 26, 45
RGB Percent	18%, 10%, 18%
CMY	0.8141, 0.8965, 0.8220
CMYK	0.00, 0.44, 0.04, 0.81
HSL	306°, 28%, 14%
HSV	306°, 44%, 19%
XYZ	2.0506, 1.5625, 2.7167
YIQ	34.4450, 6.4170, 10.3610

Conversions

Conversions Part 2

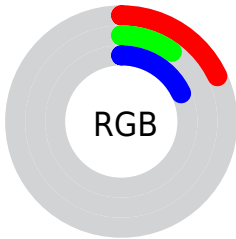
Format	Color
RYB	47, 26, 45
Decimal	3086893
CIELab	13.00, 14.19, -8.44
CIElCh	13, 16.514, 329.256
Yxy	1.5625, 0.3240, 0.2468
Android (android.graphics.Color)	4281276973 (0xFF2F1A2D)
YUV	34.4450, 5.2036, 11.0107
Hunter-Lab	12.5000, 7.4076, -4.1360

Details

The CIELCh color **13, 16.514, 329.256** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 16.519, 144.357**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 16.592, 329.441**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 20.021, 329.729**, and if you desaturate by 10%, it is **14, 12.853, 328.775**.

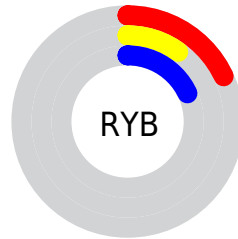
Distribution



Red (18%)

Green (10%)

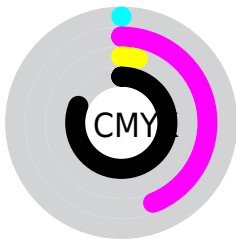
Blue (18%)



Red (18%)

Yellow (10%)

Blue (18%)

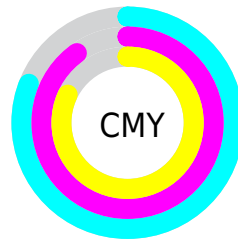


Cyan (0%)

Magenta (44%)

Yellow (4%)

Black (81%)



Cyan (81%)


Magenta (90%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 13, 16.514, 329.256 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 13, 16.514, 329.256 by changing the saturation by 10% instead.

 13, 16.514,
329.256


 13, 16.514,
329.256


 100, 16.514,
329.256


 3, 16.514, 329.256


 33, 16.514,
329.256

 0, 16.514, 329.256

 43, 16.514,
329.256


 53, 16.514,
329.256


 63, 16.514,
329.256


 73, 16.514,
329.256


 83, 16.514,


329.256


 93, 16.514,
329.256

 13, 16.514,
329.256


 13, 16.514,
329.256

 12, 20.021,
329.729


 14, 12.853,
328.775

 11, 23.287,
330.188

 16, 9.116, 328.289

 10, 26.209,
330.629

 17, 5.356, 327.800

 19, 1.617, 327.281

 9, 28.794, 331.049

 20, 2.074, 146.930

 8, 31.568, 331.444

 22, 5.696, 146.446

 7, 33.159, 331.635

■ 24, 9.239, 146.002

■ 25, 12.695,
145.579

■ 27, 16.063,
145.174

Harmonies

Complementary

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



13, 16.514, 329.256



17, 16.519, 144.357

Rectangle

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



13, 16.514, 329.256



13, 16.514, 19.256



13, 16.514, 149.256



13, 16.514, 199.256

Sweetspot

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



13, 16.513, 329.256



23, 6.012, 327.768



11, 15.481, 297.490



10, 4.108, 327.793



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



13, 16.513, 329.256



16, 24.147, 329.800



13, 12.107, 352.305



7, 1.846, 327.223



18, 49.129, 332.103



50, 93.929, 332.491

Inverse Universe

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



13, 16.513, 329.256



16, 24.147, 329.800



18, 11.327, 164.734



7, 1.846, 327.223



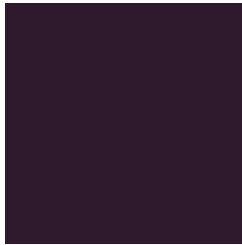
18, 49.129, 332.103



50, 93.929, 332.491

Previews

White Background



This preview shows how the CIE LCh color 13, 16.514, 329.256 looks on a white background.

Color Contrast Check

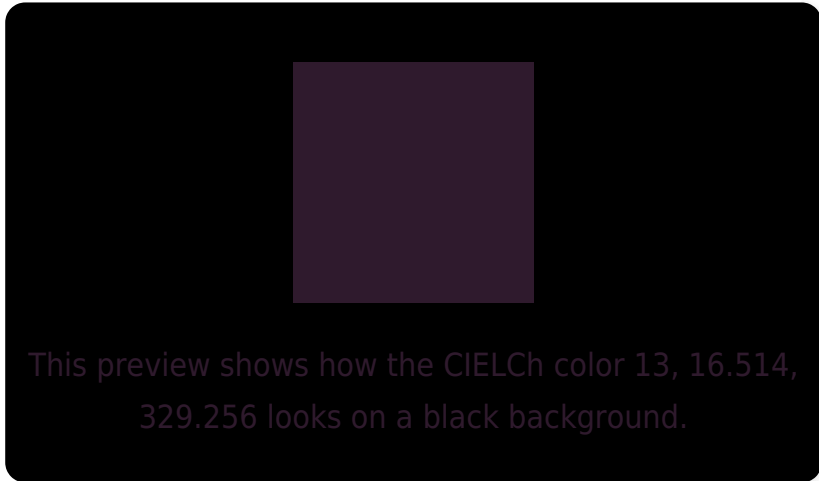
Large Text (above 18pt) WCAG AA ✓ Pass

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 13, 16.514, 329.256

Background



This preview shows how black text looks on a background with the CIELCh color 13, 16.514, 329.256.



This preview shows how white text looks on a background with the CIELCh color 13, 16.514, 329.256.

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

13, 16.514, 329.256

Protanopia

13, 13.003, 285.101

Deuteranopia

13, 7.909, 289.278



Tritanopia

13, 8.993, 8.401

Trichromacy



Original Color
13, 16.514, 329.256

Protanomaly
13, 13.111, 301.273

Deuteranomaly
13, 10.596, 310.277

Tritanomaly
13, 11.283, 348.347

Monochromacy



Original Color
13, 16.514, 329.256

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 6.342, 328.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 16.514, 329.256 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(47, 26, 45)` looks like.

```
.text, #text, p{  
    color:rgb(47, 26, 45)  
}
```

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(47, 26, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 26, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 16.514, 329.256 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(47, 26, 45) }
```

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

```
.border{ border-color:rgb(47, 26, 45) }
```

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

Here you see how a box with a 4 pixel rgb(47, 26, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 26, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 26, 45);  
box-shadow:4px 4px 4px 4px rgb(47, 26, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 16.514, 329.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 26, 45) }
```

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

```
.background{ background-color: rgb(47, 26,  
45) }
```

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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