

Converting Colors

CIELCh(18, 31.795, 319.933)

Have a look what the booklet for
CIELCh(18, 31.795, 319.933)
contains.

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Color

CIELCh(18, 32.205, 320.182)

Conversions

Conversions Part 1

Format	Color
Hex	401E4A
RGB	64, 30, 74
RGB Percent	25%, 12%, 29%
CMY	0.7488, 0.8821, 0.7096
CMYK	0.14, 0.59, 0.00, 0.71
HSL	286°, 42%, 20%
HSV	286°, 59%, 29%
XYZ	3.8213, 2.5180, 6.7726
YIQ	45.1820, 6.1400, 20.8920

Conversions

Conversions Part 2

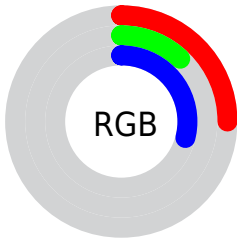
Format	Color
R_{YB}	64, 30, 74
Decimal	4202058
CIE _{Lab}	18.00, 24.74, -20.62
CIE _{LCh}	18, 32.205, 320.182
Yxy	2.5180, 0.2914, 0.1920
Android (android.graphics.Color)	4282392138 (0xFF401E4A)
YUV	45.1820, 14.2073, 16.5034
Hunter-Lab	15.8683, 15.2152, -14.1971

Details

The CIELCh color **18, 32.205, 320.182** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 31.431, 134.986**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 31.958, 320.024**, and **2, 18.060, 309.802** is the 20% darker color. If you saturate the color by 10%, you get **16, 36.972, 320.403**, and if you desaturate by 10%, it is **20, 27.031, 319.880**.

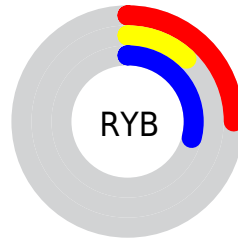
Distribution



Red (25%)

Green (12%)

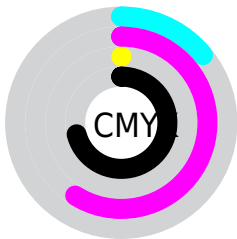
Blue (29%)



Red (25%)

Yellow (12%)

Blue (29%)

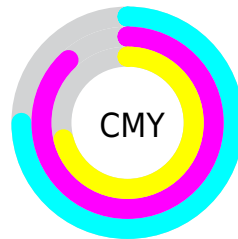


Cyan (14%)

Magenta (59%)

Yellow (0%)

Black (71%)



Cyan (75%)


Magenta (88%)


Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 32.205, 320.182 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 18, 32.205, 320.182 by changing the saturation by 10% instead.

 18, 32.205,
320.182


 18, 32.205,
320.182


 100, 32.205,
320.182


 8, 32.205, 320.182


 38, 32.205,
320.182

 0, 32.205, 320.182

 48, 32.205,
320.182


 58, 32.205,
320.182


 68, 32.205,
320.182


 78, 32.205,
320.182


 88, 32.205,


320.182


 98, 32.205,
320.182


 18, 32.205,
320.182

 18, 32.205,
320.182


 16, 36.972,
320.403

 20, 27.031,
319.880


 15, 41.131,
320.507


 22, 21.621,
319.525

 13, 44.528,
320.472

 24, 16.104,
319.139

 12, 48.026,
320.504

 27, 10.573,
318.741

 12, 48.245,
320.510

 29, 5.089, 318.336

■ 32, 0.306, 138.293

■ 34, 5.588, 137.619

■ 37, 10.743,
137.262

■ 39, 15.766,
136.933

Harmonies

Complementary

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



18, 32.205, 320.182



28, 31.431, 134.986

Rectangle

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



18, 32.205, 320.182



18, 32.205, 10.182



18, 32.205, 140.182



18, 32.205, 190.182

Sweetspot

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



18, 32.204, 320.182



36, 12.240, 318.712



17, 23.496, 287.717



16, 8.399, 318.776



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 32.204, 320.182



22, 46.744, 320.464



19, 27.853, 336.958



14, 3.096, 318.306



18, 60.229, 320.184



46, 109.257, 319.653

Inverse Universe

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



18, 22.354, 8.887



22, 33.131, 12.462



28, 27.823, 147.897



14, 1.999, 1.847



20, 45.465, 23.848



48, 84.908, 28.192

Previews

White Background



This preview shows how the CIE LCh color 18, 32.205, 320.182 looks on a white background.

Color Contrast Check

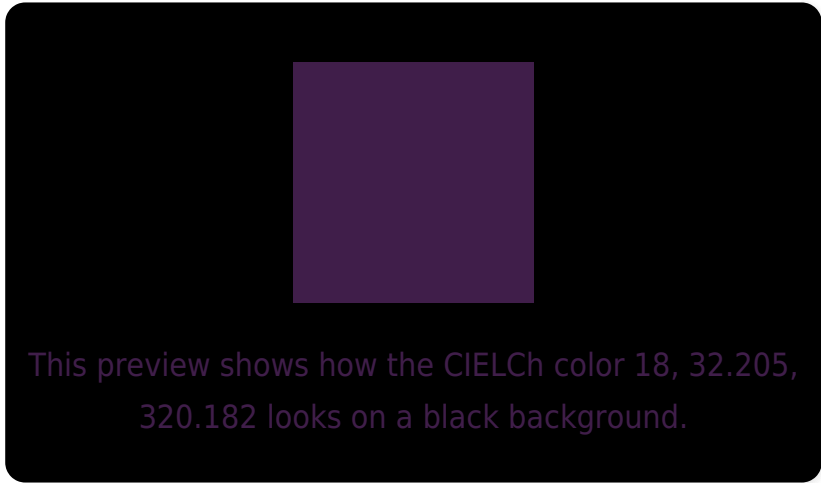
Large Text (above 18pt) WCAG AA ✓ Pass

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

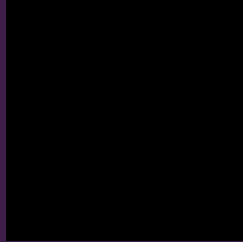
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 32.205, 320.182

Background



This preview shows how black text looks on a background with the CIELCh color 18, 32.205, 320.182.



This preview shows how white text looks on a background with the CIELCh color 18, 32.205, 320.182.

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

18, 32.205, 320.182

Protanopia

18, 30.471, 285.481

Deuteranopia

18, 18.342, 278.142



Tritanopia
18, 10.608, 10.975

Trichromacy



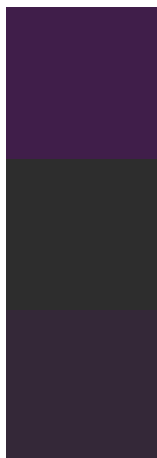
Original Color
18, 32.205, 320.182

Protanomaly
17, 30.417, 295.579

Deuteranomaly
18, 22.161, 297.330

Tritanomaly
18, 16.647, 336.042

Monochromacy



Original Color
18, 32.205, 320.182

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.304, 318.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 32.205, 320.182 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(64, 30, 74)` looks like.

```
.text, #text, p{  
    color:rgb(64, 30, 74)  
}
```

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(64, 30, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 30, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 32.205, 320.182 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(64, 30, 74) }
```

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

```
.border{ border-color:rgb(64, 30, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 30, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 30, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 30, 74);  
box-shadow:4px 4px 4px 4px rgb(64, 30, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 32.205, 320.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 30, 74) }
```

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

```
.background{ background-color: rgb(64, 30,  
74) }
```

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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