

Converting Colors

CIELCh(18, 32.125, 349.733)

Have a look what the booklet for
CIELCh(18, 32.125, 349.733)
contains.

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Color

CIELCh(18, 32.168, 349.587)

Conversions

Conversions Part 1

Format	Color
Hex	511435
RGB	81, 20, 53
RGB Percent	32%, 8%, 21%
CMY	0.6818, 0.9210, 0.7917
CMYK	0.00, 0.75, 0.35, 0.68
HSL	328°, 60%, 20%
HSV	328°, 75%, 32%
XYZ	4.3021, 2.5180, 3.6411
YIQ	42.0010, 25.7630, 23.1950

Conversions

Conversions Part 2

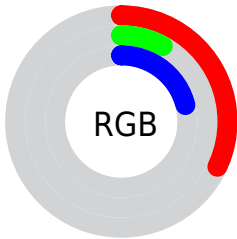
Format	Color
RYB	81, 20, 53
Decimal	5313589
CIELab	18.00, 31.64, -5.81
CIELCh	18, 32.168, 349.587
Yxy	2.5180, 0.4112, 0.2407
Android (android.graphics.Color)	4283503669 (0xFF511435)
YUV	42.0010, 5.4225, 34.2021
Hunter-Lab	15.8683, 20.6237, -2.4966

Details

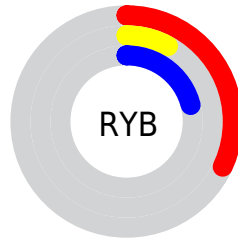
The CIELCh color **18, 32.168, 349.587** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 31.248, 153.470**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 32.505, 349.071**, and **4, 16.399, 9.493** is the 20% darker color. If you saturate the color by 10%, you get **17, 34.693, 351.561**, and if you desaturate by 10%, it is **20, 28.859, 347.962**.

Distribution



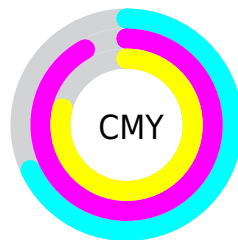
- Red (32%)
- Green (8%)
- Blue (21%)



- Red (32%)
- Yellow (8%)
- Blue (21%)



- Cyan (0%)
- Magenta (75%)
- Yellow (35%)
- Black (68%)





- Cyan (68%)
- Magenta (92%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 32.168, 349.587 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, 32.168, 349.587 by changing the saturation by 10% instead.

 18, 32.168,
349.587


 18, 32.168,
349.587


 100, 32.168,
349.587


 8, 32.168, 349.587


 38, 32.168,
349.587

 0, 32.168, 349.587

 48, 32.168,
349.587


 58, 32.168,
349.587


 68, 32.168,
349.587


 78, 32.168,
349.587


 88, 32.168,


349.587


 98, 32.168,
349.587


 18, 32.168,
349.587


 18, 32.168,
349.587


 17, 34.693,
351.561


 20, 28.859,
347.962

 16, 36.666,
353.775

 21, 24.959,
346.596

 15, 37.716,
354.760

 24, 20.662,
345.421

 26, 16.136,
344.389

 28, 11.515,
343.466

■ 31, 6.892, 342.623

■ 33, 2.330, 341.806

■ 36, 2.132, 161.290

■ 38, 6.472, 160.578

Harmonies

Complementary

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



18, 32.168, 349.587



30, 31.248, 153.470

Rectangle

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



18, 32.168, 349.587



18, 32.168, 39.587



18, 32.168, 169.587



18, 32.168, 219.587

Sweetspot

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



18, 32.166, 349.588



37, 12.959, 343.344



14, 42.556, 311.033



17, 9.054, 343.540



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 32.166, 349.588



22, 42.985, 353.436



17, 31.877, 26.567



15, 2.533, 342.104



21, 44.737, 356.043



50, 79.483, 358.809

Inverse Universe

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



18, 32.166, 349.588



22, 42.985, 353.436



31, 19.989, 190.952



15, 2.533, 342.104



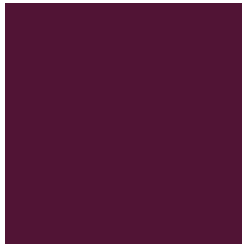
21, 44.737, 356.043



50, 79.483, 358.809

Previews

White Background



This preview shows how the CIELCh color 18, 32.168, 349.587 looks on a white background.

Color Contrast Check

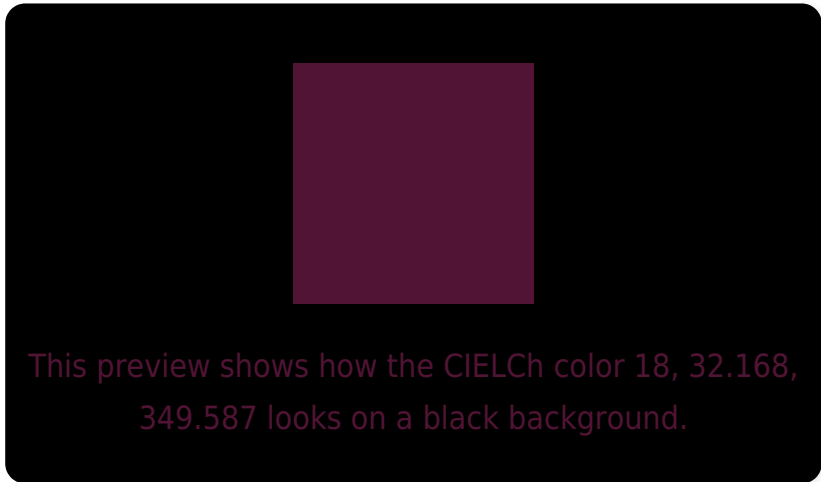
Large Text (above 18pt) WCAG AA ✓ Pass

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

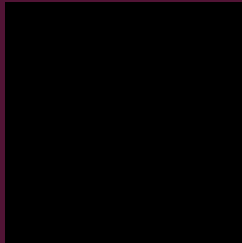
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 32.168, 349.587

Background



This preview shows how black text looks on a background with the CIELCh color 18, 32.168, 349.587.



This preview shows how white text looks on a background with the CIELCh color 18, 32.168, 349.587.

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, 32.168, 349.587

Protanopia

19, 17.277, 284.482

Deuteranopia

19, 4.545, 315.070



Tritanopia
18, 27.150, 24.715

Trichromacy



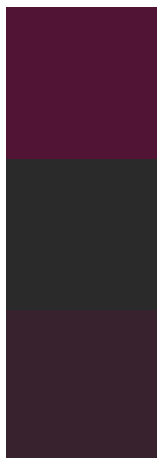
Original Color
18, 32.168, 349.587

Protanomaly
17, 20.636, 314.419

Deuteranomaly
17, 15.819, 339.707

Tritanomaly
18, 27.480, 10.590

Monochromacy



Original Color
18, 32.168, 349.587

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 13.262, 344.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 32.168, 349.587 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(81, 20, 53)` looks like.

```
.text, #text, p{  
    color:rgb(81, 20, 53)  
}
```

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(81, 20, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 20, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 32.168, 349.587 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(81, 20, 53) }
```

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

```
.border{ border-color:rgb(81, 20, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 20, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 20, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 20, 53);  
box-shadow:4px 4px 4px 4px rgb(81, 20, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 32.168, 349.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 20, 53) }
```

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

```
.background{ background-color: rgb(81, 20,  
53) }
```

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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