

Converting Colors

CIELCh(18, 31.464, 327.161)

Have a look what the booklet for
CIELCh(18, 31.464, 327.161)
contains.

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Color

CIELCh(18, 31.428, 327.153)

Conversions

Conversions Part 1

Format	Color
Hex	451C45
RGB	69, 28, 69
RGB Percent	27%, 11%, 27%
CMY	0.7297, 0.8905, 0.7297
CMYK	0.00, 0.59, 0.00, 0.73
HSL	300°, 42%, 19%
HSV	300°, 59%, 27%
XYZ	3.9339, 2.5180, 5.8965
YIQ	44.9330, 11.2750, 21.4430

Conversions

Conversions Part 2

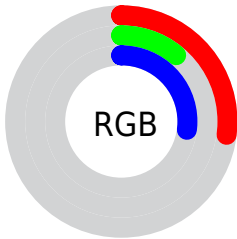
Format	Color
RYB	69, 28, 69
Decimal	4529221
CIELab	18.00, 26.40, -17.05
CIElCh	18, 31.428, 327.153
Yxy	2.5180, 0.3186, 0.2039
Android (android.graphics.Color)	4282719301 (0xFF451C45)
YUV	44.9330, 11.8650, 21.1068
Hunter-Lab	15.8683, 16.4826, -10.9236

Details

The CIELCh color **18, 31.428, 327.153** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 31.636, 140.052**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 31.356, 327.652**, and **2, 16.154, 321.282** is the 20% darker color. If you saturate the color by 10%, you get **17, 35.690, 327.498**, and if you desaturate by 10%, it is **20, 26.638, 326.756**.

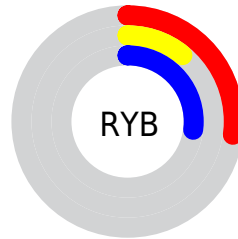
Distribution



Red (27%)

Green (11%)

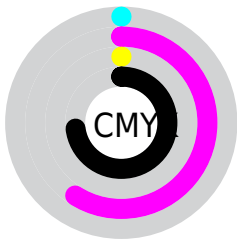
Blue (27%)



Red (27%)

Yellow (11%)

Blue (27%)

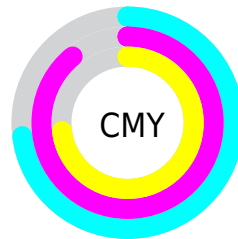


Cyan (0%)

Magenta (59%)

Yellow (0%)

Black (73%)



Cyan (73%)


Magenta (89%)


Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 31.428, 327.153 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, 31.428, 327.153 by changing the saturation by 10% instead.

 18, 31.428,
327.153


 18, 31.428,
327.153


 100, 31.428,
327.153


 8, 31.428, 327.153


 38, 31.428,
327.153

 0, 31.428, 327.153

 48, 31.428,
327.153


 58, 31.428,
327.153


 68, 31.428,
327.153


 78, 31.428,
327.153

 88, 31.428,


327.153


 98, 31.428,
327.153


 18, 31.428,
327.153


 18, 31.428,
327.153


 17, 35.690,
327.498


 20, 26.638,
326.756


 16, 39.263,
327.782


 21, 21.488,
326.320


 15, 42.096,
328.002

 23, 16.119,
325.856

 14, 44.933,
328.219

 25, 10.647,
325.373

 14, 45.087,
328.231

 27, 5.161, 324.876

■ 29, 0.277, 144.853

■ 32, 5.623, 143.963

■ 34, 10.852,
143.490

■ 36, 15.946,
143.042

Harmonies

Complementary

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



18, 31.428, 327.153



25, 31.636, 140.052

Rectangle

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



18, 31.428, 327.153



18, 31.428, 17.153



18, 31.428, 147.153



18, 31.428, 197.153

Sweetspot

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



18, 31.427, 327.153



33, 12.191, 325.336



13, 28.845, 297.456



16, 8.547, 325.413



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 31.427, 327.153



22, 44.500, 327.630



17, 23.081, 348.406



13, 3.122, 324.833



22, 57.932, 328.230



54, 105.823, 328.230

Inverse Universe

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



16, 21.896, 25.714



20, 33.262, 29.038



26, 21.977, 157.147



13, 1.799, 19.784



19, 49.401, 35.620



47, 95.755, 39.998

Previews

White Background



This preview shows how the CIELCh color 18, 31.428, 327.153 looks on a white background.

Color Contrast Check

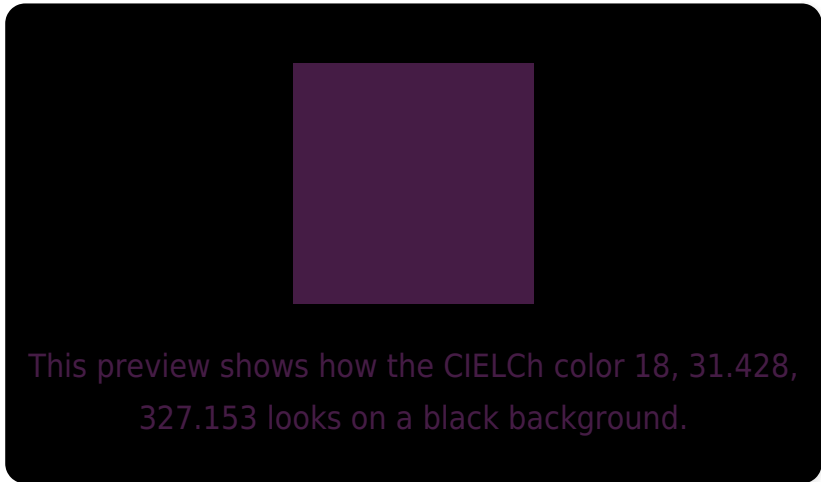
Large Text (above 18pt) WCAG AA ✓ Pass

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

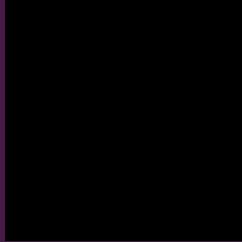
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 31.428, 327.153

Background



This preview shows how black text looks on a background with the CIELCh color 18, 31.428, 327.153.



This preview shows how white text looks on a background with the CIELCh color 18, 31.428, 327.153.

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, 31.428, 327.153

Protanopia

19, 26.996, 284.654

Deuteranopia

19, 14.689, 280.285



Tritanopia
18, 14.771, 15.396

Trichromacy



Original Color
18, 31.428, 327.153

Protanomaly
17, 27.706, 298.762

Deuteranomaly
18, 19.761, 305.107

Tritanomaly
18, 18.931, 347.257

Monochromacy



Original Color
18, 31.428, 327.153

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.386, 325.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 31.428, 327.153 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(69, 28, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 28, 69)  
}
```

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(69, 28, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 28, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 31.428, 327.153 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(69, 28, 69) }
```

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

```
.border{ border-color:rgb(69, 28, 69) }
```

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

Here you see how a box with a 4 pixel rgb(69, 28, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 28, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 28, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 28, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 31.428, 327.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 28, 69) }
```

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

```
.background{ background-color: rgb(69, 28,  
69) }
```

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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