

Converting Colors

CIELCh(5, 39.429, 336.503)

Have a look what the booklet for
CIELCh(5, 39.429, 336.503) contains.

CIELCh(7, 31.681, 337.246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(7, 31.681, 337.246)

Conversions

Conversions Part 1

Format	Color
Hex	310026
RGB	49, 0, 38
RGB Percent	19%, 0%, 15%
CMY	0.8079, 1.0000, 0.8507
CMYK	0.00, 1.00, 0.22, 0.81
HSL	313°, 100%, 10%
HSV	313°, 100%, 19%
XYZ	1.6079, 0.7749, 1.9037
YIQ	18.9830, 17.0060, 22.2060

Conversions

Conversions Part 2

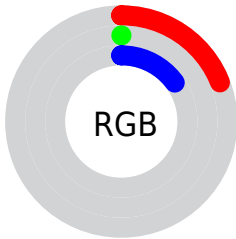
Format	Color
R_YB	49, 0, 38
Decimal	3211302
CIE Lab	7.00, 29.22, -12.25
CIE LCh	7, 31.681, 337.246
Yxy	0.7749, 0.3751, 0.1808
Android (android.graphics.Color)	4281401382 (0xFF310026)
YUV	18.9830, 9.3754, 26.3249
Hunter-Lab	8.8031, 17.1973, -6.6592

Details

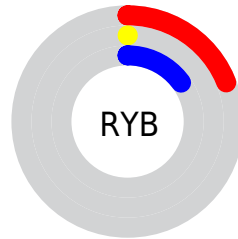
The CIELCh color **7, 31.681, 337.246** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **17, 31.699, 143.471**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **27, 31.199, 337.608**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **7, 31.155, 337.347**, and if you desaturate by 10%, it is **8, 28.503, 336.791**.

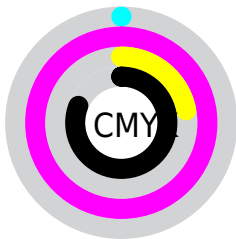
Distribution



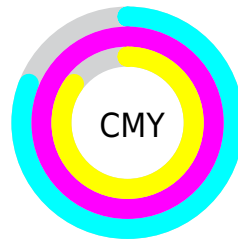
- Red (19%)
- Green (0%)
- Blue (15%)



- Red (19%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (81%)



- Cyan (81%)
- Magenta (100%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 31.681, 337.246 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 7, 31.681, 337.246 by changing the saturation by 10% instead.


 7, 31.681, 337.246


 7, 31.681, 337.246


 97, 31.681,
337.246


 0, 31.681, 337.246

 27, 31.681,
337.246

 37, 31.681,
337.246

 47, 31.681,
337.246

 57, 31.681,
337.246

 67, 31.681,
337.246

 77, 31.681,
337.246

87, 31.681,
337.246

7, 31.681, 337.246

7, 31.681, 337.246

7, 31.155, 337.347

8, 28.503, 336.791

9, 26.055, 336.132

10, 23.555,
335.437

11, 20.650,
334.781

13, 17.454,
334.153

14, 14.067,
333.549

16, 10.572,

332.965

■ 17, 7.034, 332.397

■ 19, 3.500, 331.838

Harmonies

Complementary

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



7, 31.681, 337.246



17, 31.699, 143.471

Rectangle

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



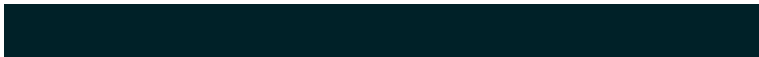
7, 31.681, 337.246



7, 31.681, 27.246



7, 31.681, 157.246



7, 31.681, 207.246

Sweetspot

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



7, 31.155, 337.347



21, 13.190, 333.059



3, 32.497, 301.228



9, 9.096, 333.111



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



7, 31.155, 337.347



11, 36.759, 337.958



6, 25.623, 8.748



8, 1.998, 331.741



18, 45.756, 338.612



49, 85.919, 339.745

Inverse Universe

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



7, 31.155, 337.347



11, 36.759, 337.958



17, 20.412, 167.263



8, 1.998, 331.741



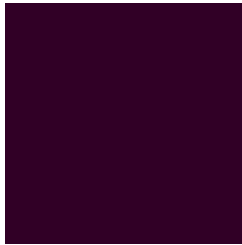
18, 45.756, 338.612



49, 85.919, 339.745

Previews

White Background



This preview shows how the CIELCh color 7, 31.681, 337.246 looks on a white background.

Color Contrast Check

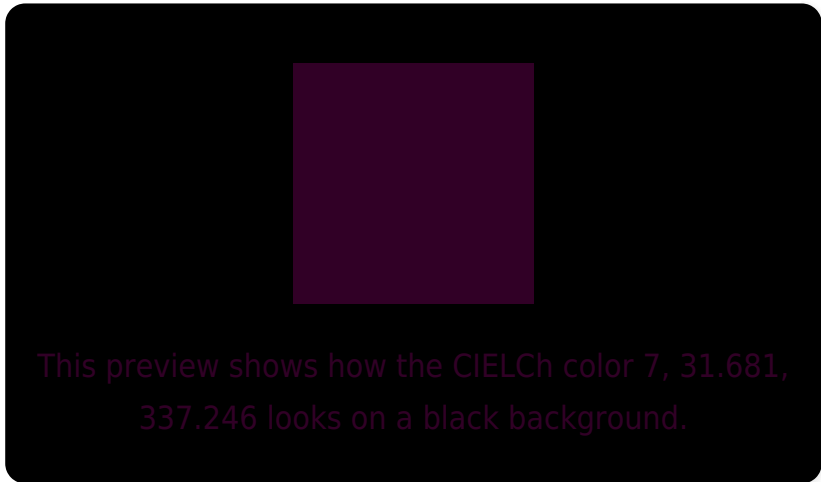
Large Text (above 18pt) WCAG AA ✓ Pass

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

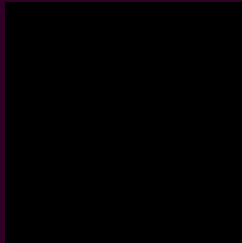
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 7, 31.681, 337.246

Background



This preview shows how black text looks on a background with the CIELCh color 7, 31.681, 337.246.



This preview shows how white text looks on a background with the CIELCh color 7, 31.681, 337.246.

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

7, 31.131, 337.418

Protanopia

9, 21.095, 281.423

Deuteranopia

9, 7.455, 285.737



Tritanopia
9, 17.781, 21.855

Trichromacy



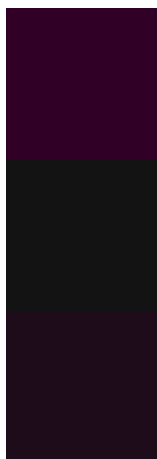
Original Color
7, 31.131, 337.418

Protanomaly
7, 23.390, 301.885

Deuteranomaly
8, 16.569, 320.615

Tritanomaly
8, 20.765, 1.211

Monochromacy



Original Color
7, 31.131, 337.418

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 12.330, 333.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 31.681, 337.246 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(49, 0, 38)` looks like.

```
.text, #text, p{  
    color:rgb(49, 0, 38)  
}
```

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(49, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 0, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 31.681, 337.246 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(49, 0, 38) }
```

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

```
.border{ border-color:rgb(49, 0, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 0, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 0, 38); -webkit-box-shadow:4px  
4px 4px 4px rgb(49, 0, 38); box-shadow:4px  
4px 4px 4px rgb(49, 0, 38) }
```

Background

The CSS property to change the background color of an element to CIELCh 7, 31.681, 337.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 0, 38) }
```

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

```
.background{ background-color: rgb(49, 0,  
38) }
```

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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