

Converting Colors

CIE LCh(7, 34.735, 52.736)

Have a look what the booklet for
CIELCh(7, 34.735, 52.736) contains.

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Color

CIELCh(7, 23.796, 27.641)

Conversions

Conversions Part 1

Format	Color
Hex	310600
RGB	49, 6, 0
RGB Percent	19%, 2%, 0%
CMY	0.8084, 0.9772, 1.0000
CMYK	0.00, 0.88, 1.00, 0.81
HSL	7°, 100%, 10%
HSV	7°, 100%, 19%
XYZ	1.3211, 0.7749, 0.0720
YIQ	18.1730, 27.5540, 7.2500

Conversions

Conversions Part 2

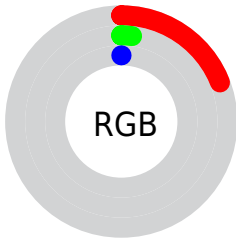
Format	Color
RYB	49, 7, 0
Decimal	3212800
CIELab	7.00, 21.08, 11.04
CIElCh	7, 23.796, 27.641
Yxy	0.7749, 0.6094, 0.3574
Android (android.graphics.Color)	4281402880 (0xFF310600)
YUV	18.1730, -8.9593, 27.0353
Hunter-Lab	8.8031, 11.3827, 5.6775

Details

The CIELCh color **7, 23.796, 27.641** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **15, 13.956, 214.104**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **27, 24.007, 27.245**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **7, 23.766, 27.394**, and if you desaturate by 10%, it is **8, 21.827, 28.211**.

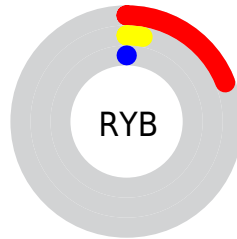
Distribution



Red (19%)

Green (2%)

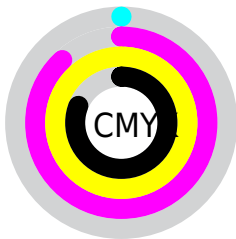
Blue (0%)



Red (19%)

Yellow (3%)

Blue (0%)

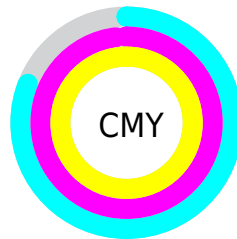


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (81%)



Cyan (81%)

Magenta (98%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 23.796, 27.641 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, 23.796, 27.641 by changing the saturation by 10% instead.

 7, 23.796, 27.641  7, 23.796, 27.641

 97, 23.796, 27.641  0, 23.796, 27.641

 27, 23.796, 27.641

 37, 23.796, 27.641

 47, 23.796, 27.641

 57, 23.796, 27.641

 67, 23.796, 27.641

 77, 23.796, 27.641

 87, 23.796, 27.641

 7, 23.796, 27.641  7, 23.796, 27.641

■ 7, 23.766, 27.394

■ 8, 21.827, 28.211

■ 9, 19.751, 29.742

■ 10, 17.472, 31.679

■ 11, 14.912, 32.789

■ 13, 12.099, 32.382

■ 14, 9.361, 31.730

■ 16, 6.784, 31.245

■ 17, 4.369, 30.888

■ 19, 2.111, 30.608

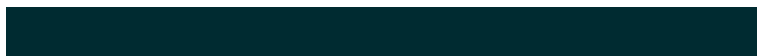
Harmonies

Complementary

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



7, 23.796, 27.641



15, 13.956, 214.104

Rectangle

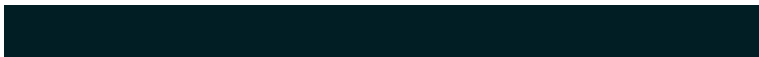
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



7, 23.796, 27.641



7, 23.796, 77.641



7, 23.796, 207.641



7, 23.796, 257.641

Sweetspot

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



7, 23.766, 27.394



21, 8.533, 31.315



7, 33.403, 332.529



9, 5.869, 30.807



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, 23.766, 27.394



11, 31.178, 33.016



13, 20.434, 73.303



8, 1.200, 30.381



17, 43.143, 37.922



46, 90.553, 41.344

Inverse Universe

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



15, 13.956, 214.104



21, 16.478, 215.210



6, 22.825, 284.129



9, 1.151, 210.614



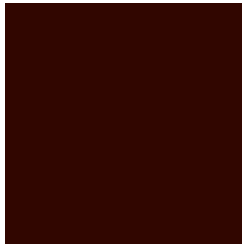
30, 20.595, 216.374



71, 38.963, 218.362

Previews

White Background



This preview shows how the CIELCh color 7, 23.796, 27.641 looks on a white background.

Color Contrast Check

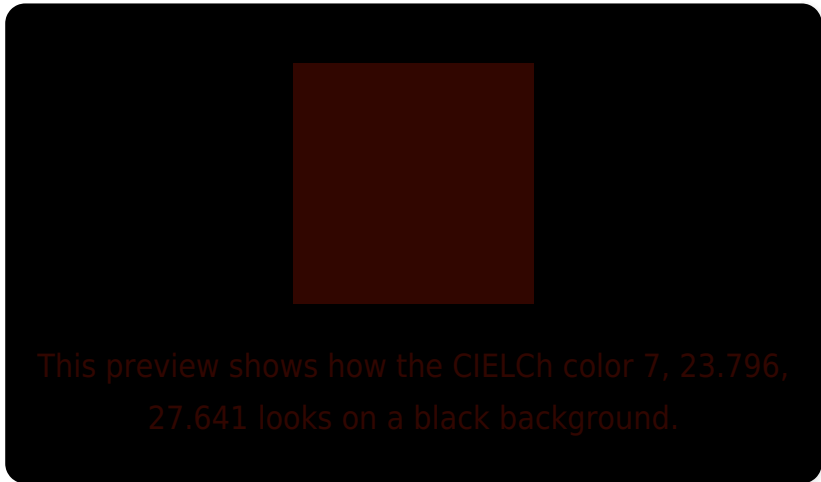
Large Text (above 18pt) WCAG AA ✓ Pass

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

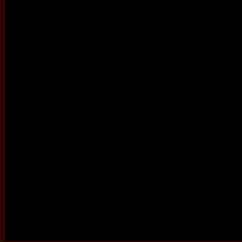
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 7, 23.796, 27.641

Background



This preview shows how black text looks on a background with the CIELCh color 7, 23.796, 27.641.

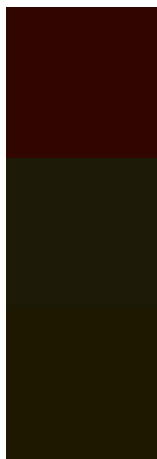


This preview shows how white text looks on a background with the CIELCh color 7, 23.796, 27.641.

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

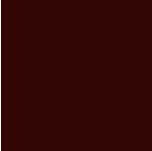
7, 23.796, 27.641

Protanopia

9, 10.574, 100.500

Deuteranopia

9, 12.758, 91.074



Tritanopia
7, 23.421, 23.998

Trichromacy



Original Color

7, 23.796, 27.641

Protanomaly

7, 12.167, 51.686

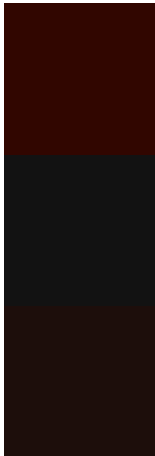
Deuteranomaly

7, 13.714, 52.653

Tritanomaly

7, 23.506, 24.919

Monochromacy



Original Color

7, 23.796, 27.641

Achromatopsia

5, 0.002, 296.812

Achromatomaly

5, 7.326, 30.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 23.796, 27.641 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, 6, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 6, 0)  
}
```

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, 6, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 6, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 23.796, 27.641 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, 6, 0) }
```

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

```
.border{ border-color:rgb(49, 6, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 6, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 6, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(49, 6, 0); box-shadow:4px  
4px 4px 4px rgb(49, 6, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 7, 23.796, 27.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 6, 0) }
```

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

```
.background{ background-color: rgb(49, 6,  
0) }
```

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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