

Converting Colors

CIELCh(14, 27.781, 7.646)

Have a look what the booklet for
CIELCh(14, 27.781, 7.646) contains.

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Color

CIELCh(14, 27.706, 8.611)

Conversions

Conversions Part 1

Format	Color
Hex	460F1F
RGB	70, 15, 31
RGB Percent	27%, 6%, 12%
CMY	0.7262, 0.9419, 0.8790
CMYK	0.00, 0.79, 0.56, 0.73
HSL	343°, 65%, 17%
HSV	343°, 79%, 27%
XYZ	2.9260, 1.7298, 1.4656
YIQ	33.2690, 27.6440, 16.6360

Conversions

Conversions Part 2

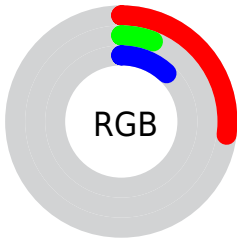
Format	Color
RYB	70, 15, 31
Decimal	4591391
CIELab	14.00, 27.39, 4.15
CIElCh	14, 27.706, 8.611
Yxy	1.7298, 0.4780, 0.2826
Android (android.graphics.Color)	4282781471 (0xFF460F1F)
YUV	33.2690, -1.1186, 32.2131
Hunter-Lab	13.1521, 16.6950, 2.5993




Details

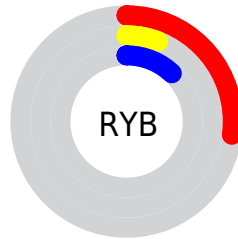
The CIELCh color **14, 27.706, 8.611** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 22.596, 168.174**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **34, 27.836, 8.303**, and **0, 1.386, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 30.369, 11.837**, and if you desaturate by 10%, it is **15, 24.631, 5.946**.

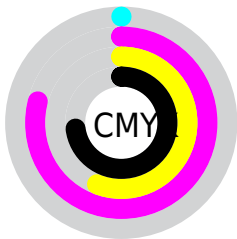
Distribution







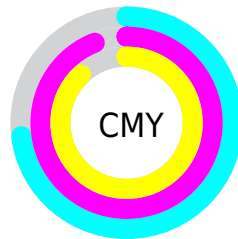
-  Red (27%)
-  Green (6%)
-  Blue (12%)






-  Red (27%)
-  Yellow (6%)
-  Blue (12%)



-  Cyan (0%)
-  Magenta (79%)
-  Yellow (56%)
-  Black (73%)



-  Cyan (73%)
-  Magenta (94%)
-  Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 27.706, 8.611 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 14, 27.706, 8.611 by changing the saturation by 10% instead.

 14, 27.706, 8.611  14, 27.706, 8.611

 100, 27.706, 8.611  4, 27.706, 8.611

 34, 27.706, 8.611  0, 27.706, 8.611

 44, 27.706, 8.611


 54, 27.706, 8.611

 64, 27.706, 8.611

 74, 27.706, 8.611

 84, 27.706, 8.611

 94, 27.706, 8.611

 14, 27.706, 8.611  14, 27.706, 8.611

■ 13, 30.369, 11.837

■ 15, 24.631, 5.946

■ 12, 33.232, 14.555

■ 17, 21.218, 3.781

■ 12, 33.603, 14.776

■ 19, 17.595, 2.006

■ 21, 13.884, 0.528

■ 23, 10.175,
359.274

■ 25, 6.533, 358.188

■ 28, 2.999, 357.210

■ 30, 0.408, 177.014

■ 32, 3.678, 175.779

Harmonies

Complementary

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



14, 27.706, 8.611



26, 22.596, 168.174

Rectangle

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



14, 27.706, 8.611



14, 27.706, 58.611



14, 27.706, 188.611



14, 27.706, 238.611

Sweetspot

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



14, 27.704, 8.613



32, 10.591, 358.847



13, 39.006, 318.252



14, 7.188, 359.033



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



14, 27.704, 8.613



18, 39.325, 15.746



16, 26.744, 40.637



13, 1.940, 357.195



19, 43.349, 18.174



48, 81.017, 22.711

Inverse Universe

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



14, 27.704, 8.613



18, 39.325, 15.746



22, 15.299, 226.471



13, 1.940, 357.195



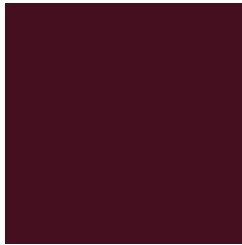
19, 43.349, 18.174



48, 81.017, 22.711

Previews

White Background



This preview shows how the CIELCh color 14, 27.706, 8.611 looks on a white background.

Color Contrast Check

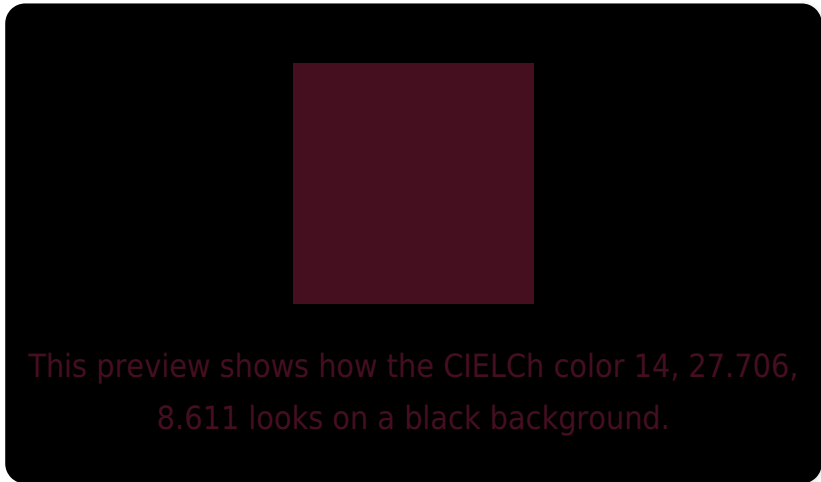
Large Text (above 18pt) WCAG AA ✓ Pass

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 14, 27.706, 8.611

Background



This preview shows how black text looks on a background with the CIELCh color 14, 27.706, 8.611.



This preview shows how white text looks on a background with the CIELCh color 14, 27.706, 8.611.

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

14, 27.706, 8.611

Protanopia

15, 3.541, 291.164

Deuteranopia

15, 7.113, 71.766



Tritanopia
14, 27.858, 28.650

Trichromacy



Original Color

14, 27.706, 8.611

Protanomaly

14, 11.648, 349.859

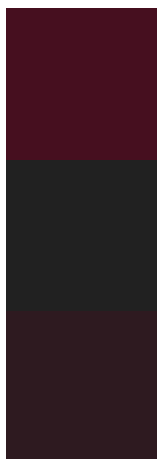
Deuteranomaly

14, 13.285, 20.304

Tritanomaly

14, 27.186, 21.304

Monochromacy



Original Color

14, 27.706, 8.611

Achromatopsia

13, 0.003, 296.813

Achromatomaly

12, 11.011, 0.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 27.706, 8.611 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(70, 15, 31)` looks like.

```
.text, #text, p{  
    color:rgb(70, 15, 31)  
}
```

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(70, 15, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 15, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 27.706, 8.611 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(70, 15, 31) }
```

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

```
.border{ border-color:rgb(70, 15, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 15, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 15, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 15, 31);  
box-shadow:4px 4px 4px 4px rgb(70, 15, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 27.706, 8.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 15, 31) }
```

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

```
.background{ background-color: rgb(70, 15,  
31) }
```

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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