

Converting Colors

CIELCh(14, 28.135, 359.800)

Have a look what the booklet for
CIELCh(14, 28.135, 359.800)
contains.

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Color

CIELCh(14, 28.165, 358.875)

Conversions

Conversions Part 1

Format	Color
Hex	450E25
RGB	69, 14, 37
RGB Percent	27%, 5%, 15%
CMY	0.7285, 0.9441, 0.8541
CMYK	0.00, 0.79, 0.46, 0.73
HSL	335°, 66%, 16%
HSV	335°, 79%, 27%
XYZ	2.9691, 1.7298, 1.9445
YIQ	33.0670, 25.3970, 18.8130

Conversions

Conversions Part 2

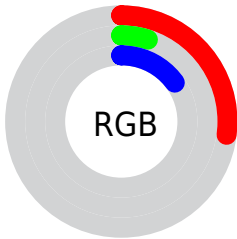
Format	Color
R_{YB}	69, 14, 37
Decimal	4525605
CIE Lab	14.00, 28.16, -0.55
CIE LCh	14, 28.165, 358.875
Yxy	1.7298, 0.4469, 0.2604
Android (android.graphics.Color)	4282715685 (0xFF450E25)
YUV	33.0670, 1.9390, 31.5132
Hunter-Lab	13.1521, 17.2801, 0.4407




Details

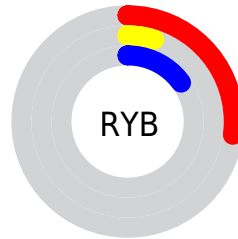
The CIELCh color **14, 28.165, 358.875** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 25.585, 159.662**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **34, 28.157, 359.253**, and **0, 1.386, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 30.442, 1.526**, and if you desaturate by 10%, it is **15, 25.366, 356.663**.

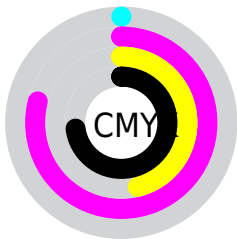
Distribution







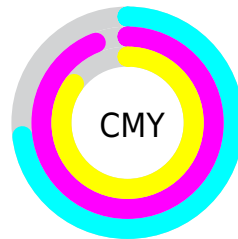
-  Red (27%)
-  Green (5%)
-  Blue (15%)






-  Red (27%)
-  Yellow (5%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (79%)
-  Yellow (46%)
-  Black (73%)





-  Cyan (73%)
-  Magenta (94%)
-  Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 28.165, 358.875 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, 28.165, 358.875 by changing the saturation by 10% instead.

 14, 28.165,
358.875

 14, 28.165,
358.875

 100, 28.165,
358.875

 4, 28.165, 358.875


 34, 28.165,
358.875

 0, 28.165, 358.875

 44, 28.165,
358.875

 54, 28.165,
358.875


 64, 28.165,
358.875


 74, 28.165,
358.875

 84, 28.165,


358.875


 94, 28.165,
358.875

 14, 28.165,
358.875

 14, 28.165,
358.875


 13, 30.442, 1.526


 15, 25.366,
356.663


 12, 32.920, 3.908

 17, 22.106,
354.849

 12, 33.077, 4.033

 19, 18.534,
353.336

 21, 14.787,
352.049

 23, 10.974,
350.933

■ 25, 7.172, 349.945

■ 27, 3.435, 349.042

■ 30, 0.206, 169.309

■ 32, 3.735, 167.655

Harmonies

Complementary

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



14, 28.165, 358.875



26, 25.585, 159.662

Rectangle

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



14, 28.165, 358.875



14, 28.165, 48.875



14, 28.165, 178.875



14, 28.165, 228.875

Sweetspot

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



14, 28.163, 358.876



31, 11.009, 350.477



11, 39.104, 314.312



14, 7.641, 350.654



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, 28.163, 358.876



17, 38.039, 4.503



14, 28.821, 32.358



13, 2.083, 348.972



19, 42.320, 6.748



48, 77.539, 10.734

Inverse Universe

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



14, 28.163, 358.876



17, 38.039, 4.503



25, 16.490, 205.387



13, 2.083, 348.972



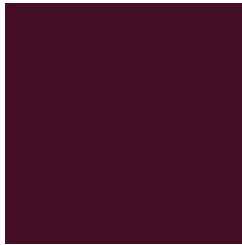
19, 42.320, 6.748



48, 77.539, 10.734

Previews

White Background



This preview shows how the CIELCh color 14, 28.165, 358.875 looks on a white background.

Color Contrast Check

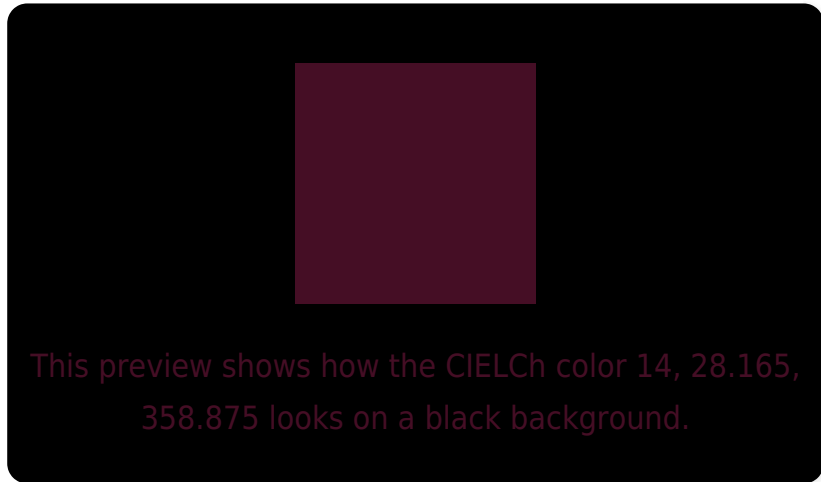
Large Text (above 18pt) WCAG AA ✓ Pass

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

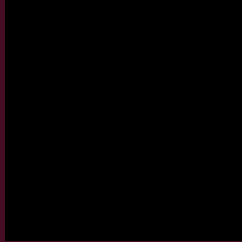
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 28.165, 358.875

Background



This preview shows how black text looks on a background with the CIELCh color 14, 28.165, 358.875.



This preview shows how white text looks on a background with the CIELCh color 14, 28.165, 358.875.

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, 28.165, 358.875

Protanopia

15, 9.249, 284.775

Deuteranopia

15, 3.103, 33.146



Tritanopia
14, 26.576, 27.023

Trichromacy



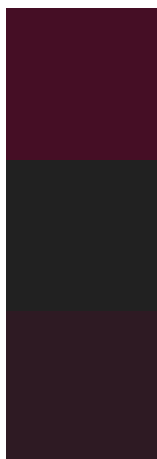
Original Color
14, 28.165, 358.875

Protanomaly
14, 14.056, 329.459

Deuteranomaly
14, 13.150, 358.243

Tritanomaly
14, 26.289, 16.484

Monochromacy



Original Color
14, 28.165, 358.875

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 11.766, 350.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 28.165, 358.875 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, 14, 37)` looks like.

```
.text, #text, p{  
    color:rgb(69, 14, 37)  
}
```

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, 14, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 14, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 28.165, 358.875 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, 14, 37) }
```

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

```
.border{ border-color:rgb(69, 14, 37) }
```

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

Here you see how a box with a 4 pixel rgb(69, 14, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 14, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 14, 37);  
box-shadow:4px 4px 4px 4px rgb(69, 14, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 28.165, 358.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 14, 37) }
```

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

```
.background{ background-color: rgb(69, 14,  
37) }
```

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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