

Converting Colors

CIELCh(14, 67.916, 0.562)

Have a look what the booklet for
CIELCh(14, 67.916, 0.562) contains.

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Color

CIELCh(22, 45.656, 14.535)

Conversions

Conversions Part 1

Format	Color
Hex	6E0226
RGB	110, 2, 38
RGB Percent	43%, 1%, 15%
CMY	0.5673, 0.9929, 0.8511
CMYK	0.00, 0.98, 0.66, 0.57
HSL	340°, 97%, 22%
HSV	340°, 98%, 43%
XYZ	6.8414, 3.5154, 2.1502
YIQ	38.3960, 52.8120, 34.0920

Conversions

Conversions Part 2

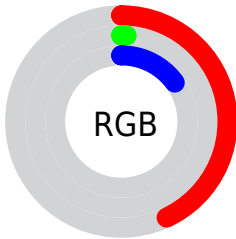
Format	Color
RYB	110, 2, 38
Decimal	7209510
CIELab	22.00, 44.19, 11.46
CIElCh	22, 45.656, 14.535
Yxy	3.5154, 0.5470, 0.2811
Android (android.graphics.Color)	4285399590 (0xFF6E0226)
YUV	38.3960, -0.1952, 62.7967
Hunter-Lab	18.7494, 32.3201, 6.3253

Details

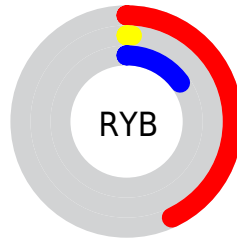
The CIELCh color **22, 45.656, 14.535** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **41, 38.598, 160.729**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 45.425, 14.869**, and **8, 30.163, 23.524** is the 20% darker color. If you saturate the color by 10%, you get **22, 46.140, 15.179**, and if you desaturate by 10%, it is **23, 42.940, 10.372**.

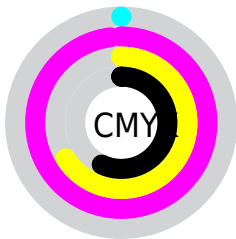
Distribution



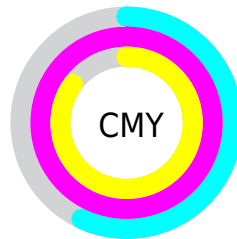
- Red (43%)
- Green (1%)
- Blue (15%)



- Red (43%)
- Yellow (1%)
- Blue (15%)



- Cyan (0%)
- Magenta (98%)
- Yellow (66%)
- Black (57%)



- Cyan (57%)
- Magenta (99%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 45.656, 14.535 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 22, 45.656, 14.535 by changing the saturation by 10% instead.

■ 22, 45.656, 14.535

■ 22, 45.656, 14.535

■ 100, 45.656,
14.535

■ 12, 45.656, 14.535

■ 42, 45.656, 14.535

■ 2, 45.656, 14.535

■ 52, 45.656, 14.535

■ 0, 45.656, 14.535

■ 62, 45.656, 14.535

■ 72, 45.656, 14.535

■ 82, 45.656, 14.535

■ 92, 45.656, 14.535

■ 22, 45.656, 14.535

■ 22, 45.656, 14.535

■ 22, 46.140, 15.179

■ 23, 42.940, 10.372

■ 24, 39.741, 6.673

■ 26, 35.700, 3.716

■ 29, 30.980, 1.351

■ 31, 25.807,
359.437

■ 34, 20.401,
357.859

■ 37, 14.935,
356.531

■ 40, 9.531, 355.386

■ 44, 4.267, 354.360

Harmonies

Complementary

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



22, 45.656, 14.535



41, 38.598, 160.729

Rectangle

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



22, 45.656, 14.535



22, 45.656, 64.535



22, 45.656, 194.535



22, 45.656, 244.535

Sweetspot

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



22, 45.654, 14.537



47, 19.575, 356.834



19, 64.179, 316.826



22, 13.306, 357.242



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



22, 45.654, 14.537



29, 55.846, 16.771



23, 50.891, 41.333



22, 2.913, 354.426



24, 49.028, 15.727



52, 84.871, 19.172

Inverse Universe

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



22, 45.654, 14.537



29, 55.846, 16.771



36, 23.371, 226.240



22, 2.913, 354.426



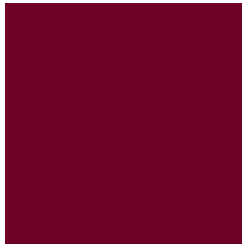
24, 49.028, 15.727



52, 84.871, 19.172

Previews

White Background



This preview shows how the CIE LCh color 22, 45.656, 14.535 looks on a white background.

Color Contrast Check

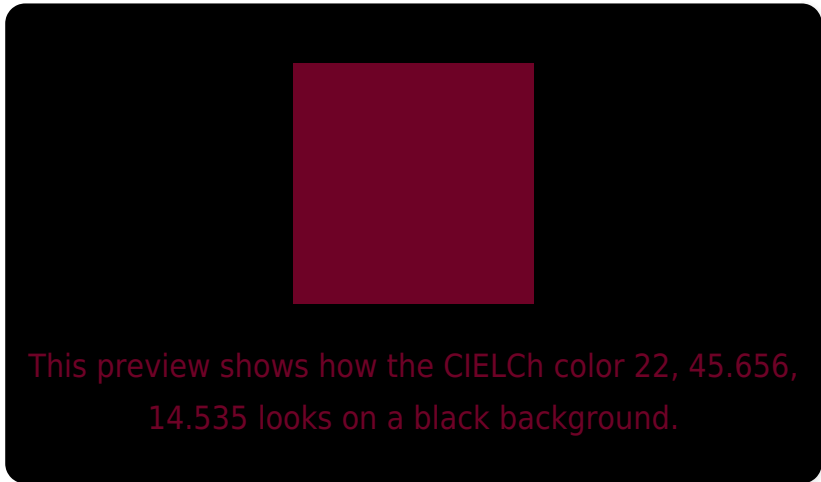
Large Text (above 18pt) WCAG AA ✓ Pass

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

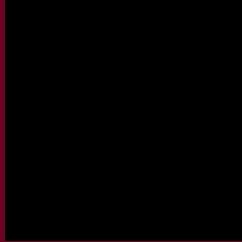
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 45.656, 14.535

Background



This preview shows how black text looks on a background with the CIELCh color 22, 45.656, 14.535.



This preview shows how white text looks on a background with the CIELCh color 22, 45.656, 14.535.

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

22, 45.499, 14.445

Protanopia

24, 0.919, 19.332

Deuteranopia

24, 16.072, 77.707



Tritanopia
23, 48.694, 34.956

Trichromacy



Original Color
22, 45.499, 14.445

Protanomaly
20, 21.001, 1.037

Deuteranomaly
21, 25.351, 25.853

Tritanomaly
22, 46.997, 28.052

Monochromacy



Original Color
22, 45.499, 14.445

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 20.635, 0.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 45.656, 14.535 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(110, 2, 38)` looks like.

```
.text, #text, p{  
    color:rgb(110, 2, 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(110, 2, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 2, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 45.656, 14.535 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(110, 2, 38) }
```

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

```
.border{ border-color:rgb(110, 2, 38) }
```

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

Here you see how a box with a 4 pixel rgb(110, 2, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 2, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 2, 38);  
box-shadow:4px 4px 4px 4px rgb(110, 2, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 45.656, 14.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 2, 38) }
```

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

```
.background{ background-color: rgb(110, 2,  
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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