

Converting Colors

CIELCh(21, 45.114, 43.651)

Have a look what the booklet for
CIELCh(21, 45.114, 43.651) contains.

CIELCh(21, 45.115, 43.648)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(21, 45.115, 43.648)

Conversions

Conversions Part 1

Format	Color
Hex	621700
RGB	98, 23, 0
RGB Percent	38%, 9%, 0%
CMY	0.6142, 0.9084, 0.9983
CMYK	0.00, 0.76, 1.00, 0.61
HSL	14°, 99%, 19%
HSV	14°, 100%, 39%
XYZ	5.3926, 3.2451, 0.3543
YIQ	42.8030, 52.0830, 8.7470

Conversions

Conversions Part 2

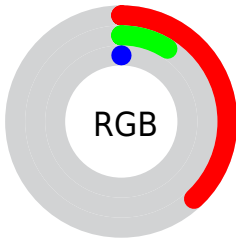
Format	Color
RYB	98, 30, 0
Decimal	6428416
CIELab	21.00, 32.64, 31.14
CIELCh	21, 45.115, 43.648
Yxy	3.2451, 0.5997, 0.3609
Android (android.graphics.Color)	4284618496 (0xFF621700)
YUV	42.8030, -21.1019, 48.4078
Hunter-Lab	18.0142, 21.9095, 11.4439

Details

The CIELCh color **21, 45.115, 43.648** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **29, 22.095, 239.884**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 45.137, 43.461**, and **5, 23.874, 19.357** is the 20% darker color. If you saturate the color by 10%, you get **21, 45.282, 43.648**, and if you desaturate by 10%, it is **22, 41.063, 44.114**.

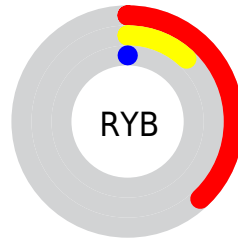
Distribution



Red (38%)

Green (9%)

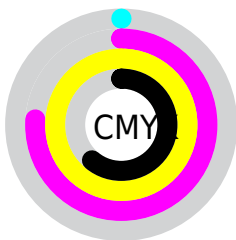
Blue (0%)



Red (38%)

Yellow (12%)

Blue (0%)

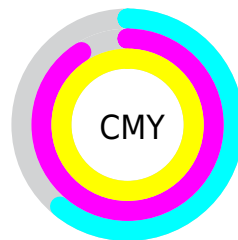


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (61%)



Cyan (61%)

Magenta (91%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 45.115, 43.648 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 21, 45.115, 43.648 by changing the saturation by 10% instead.

■ 21, 45.115, 43.648

■ 21, 45.115, 43.648

■ 100, 45.115,
43.648

■ 11, 45.115, 43.648

■ 41, 45.115, 43.648

■ 1, 45.115, 43.648

■ 51, 45.115, 43.648

■ 0, 45.115, 43.648

■ 61, 45.115, 43.648

■ 71, 45.115, 43.648

■ 81, 45.115, 43.648

■ 91, 45.115, 43.648

■ 21, 45.115, 43.648

■ 21, 45.115, 43.648

■ 21, 45.282, 43.648

■ 22, 41.063, 44.114

■ 24, 36.078, 44.029

■ 26, 30.666, 43.484

■ 28, 25.389, 43.059

■ 30, 20.368, 42.799

■ 32, 15.652, 42.701

■ 34, 11.254, 42.743

■ 37, 7.168, 42.895

■ 39, 3.375, 43.105

Harmonies

Complementary

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



21, 45.115, 43.648



29, 22.095, 239.884

Rectangle

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



21, 45.115, 43.648



21, 45.115, 93.648



21, 45.115, 223.648



21, 45.115, 273.648

Sweetspot

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



21, 45.114, 43.651



44, 14.204, 42.731



21, 48.436, 339.339



21, 9.712, 42.711



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



21, 45.114, 43.651



28, 57.074, 44.831



32, 41.542, 83.368



19, 1.948, 43.119



24, 51.047, 44.380



53, 93.807, 44.206

Inverse Universe

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



29, 22.095, 239.884



38, 26.760, 241.404



14, 50.256, 297.772



19, 1.855, 223.982



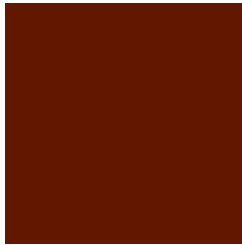
34, 24.359, 240.756



70, 43.118, 243.748

Previews

White Background



This preview shows how the CIE LCh color 21, 45.115, 43.648 looks on a white background.

Color Contrast Check

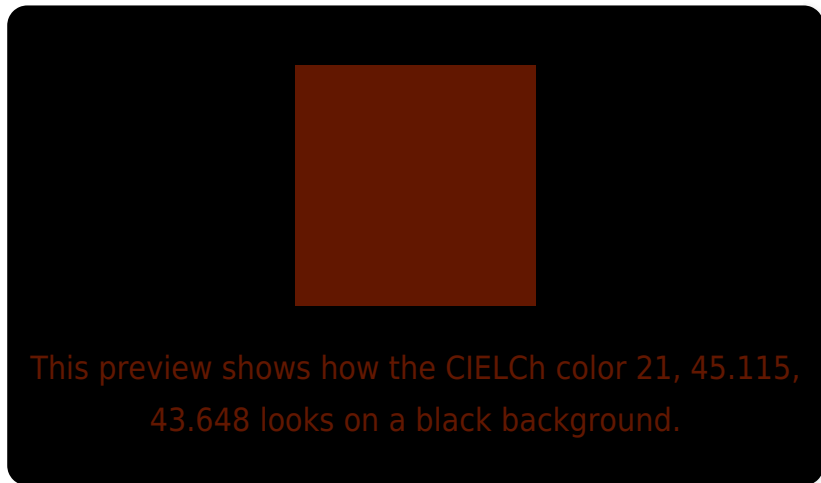
Large Text (above 18pt) WCAG AA ✓ Pass

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

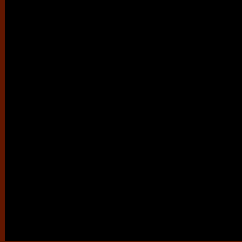
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 45.115, 43.648

Background



This preview shows how black text looks on a background with the CIELCh color 21, 45.115, 43.648.



This preview shows how white text looks on a background with the CIELCh color 21, 45.115, 43.648.

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

21, 45.115, 43.648

Protanopia

22, 26.202, 96.947

Deuteranopia

22, 30.575, 86.366



Tritanopia
21, 40.019, 31.359

Trichromacy



Original Color
21, 45.115, 43.648

Protanomaly
20, 28.782, 66.946

Deuteranomaly
21, 33.234, 63.613

Tritanomaly
21, 42.375, 37.013

Monochromacy



Original Color
21, 45.115, 43.648

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 15.954, 42.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 45.115, 43.648 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(98, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 23, 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(98, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 23, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 45.115, 43.648 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(98, 23, 0) }
```

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

```
.border{ border-color:rgb(98, 23, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 23, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 23, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 23, 0); box-shadow:4px  
4px 4px 4px rgb(98, 23, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 45.115, 43.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 23, 0) }
```

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

```
.background{ background-color: rgb(98, 23,  
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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