

Converting Colors

CIELCh(21, 44.532, 43.888)

Have a look what the booklet for
CIELCh(21, 44.532, 43.888) contains.

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Color

CIELCh(21, 44.672, 43.785)

Conversions

Conversions Part 1

Format	Color
Hex	621801
RGB	98, 24, 1
RGB Percent	38%, 9%, 0%
CMY	0.6160, 0.9061, 0.9964
CMYK	0.00, 0.76, 0.99, 0.62
HSL	14°, 98%, 19%
HSV	14°, 99%, 38%
XYZ	5.3595, 3.2451, 0.3703
YIQ	43.5040, 51.4870, 8.5350

Conversions

Conversions Part 2

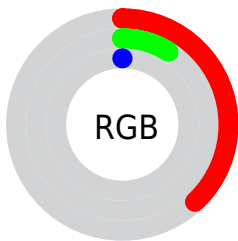
Format	Color
RYB	98, 31, 1
Decimal	6428673
CIELab	21.00, 32.25, 30.91
CIElCh	21, 44.672, 43.785
Yxy	3.2451, 0.5972, 0.3616
Android (android.graphics.Color)	4284618753 (0xFF621801)
YUV	43.5040, -20.9545, 47.7930
Hunter-Lab	18.0142, 21.5811, 11.3913

Details

The CIELCh color **21, 44.672, 43.785** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **29, 22.018, 240.322**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 44.921, 44.150**, and **5, 23.874, 19.357** is the 20% darker color. If you saturate the color by 10%, you get **21, 45.037, 43.776**, and if you desaturate by 10%, it is **22, 40.623, 44.318**.

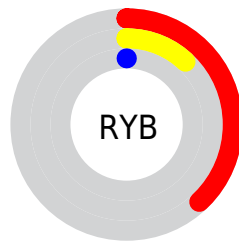
Distribution



Red (38%)

Green (9%)

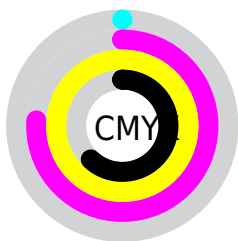
Blue (0%)



Red (38%)

Yellow (12%)

Blue (0%)

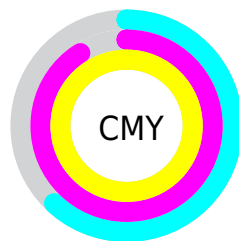


Cyan (0%)

Magenta (76%)

Yellow (99%)

Black (62%)



Cyan (62%)

Magenta (91%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 44.672, 43.785 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, 44.672, 43.785 by changing the saturation by 10% instead.

■ 21, 44.672, 43.785

■ 21, 44.672, 43.785

■ 100, 44.672,
43.785

■ 11, 44.672, 43.785

■ 41, 44.672, 43.785

■ 1, 44.672, 43.785

■ 51, 44.672, 43.785

■ 0, 44.672, 43.785

■ 61, 44.672, 43.785

■ 71, 44.672, 43.785

■ 81, 44.672, 43.785

■ 91, 44.672, 43.785

■ 21, 44.672, 43.785

■ 21, 44.672, 43.785

■ 21, 45.037, 43.776

■ 22, 40.623, 44.318

■ 24, 35.610, 44.208

■ 26, 30.229, 43.698

■ 28, 24.992, 43.308

■ 30, 20.013, 43.080

■ 32, 15.339, 43.010

■ 34, 10.981, 43.076

■ 37, 6.933, 43.248

■ 39, 3.174, 43.473

Harmonies

Complementary

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



21, 44.672, 43.785



29, 22.018, 240.322

Rectangle

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



21, 44.672, 43.785



21, 44.672, 93.785



21, 44.672, 223.785



21, 44.672, 273.785

Sweetspot

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



21, 44.671, 43.788



44, 14.183, 43.055



21, 48.188, 339.282



21, 9.697, 43.030



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, 44.671, 43.788



28, 57.000, 44.968



32, 41.241, 83.445



19, 1.946, 43.477



24, 50.983, 44.527



53, 93.674, 44.315

Inverse Universe

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



29, 22.018, 240.322



38, 26.829, 242.042



14, 49.791, 297.625



19, 1.853, 224.364



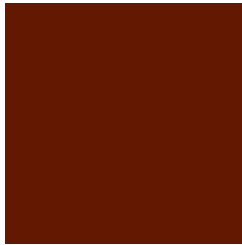
33, 24.418, 241.388



70, 43.252, 244.407

Previews

White Background



This preview shows how the CIELCh color 21, 44.672, 43.785 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



This preview shows how the CIELCh color 21, 44.672, 43.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

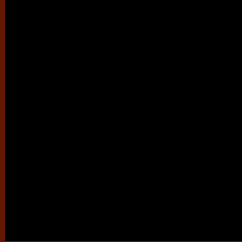
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 44.672, 43.785

Background



This preview shows how black text looks on a background with the CIELCh color 21, 44.672, 43.785.



This preview shows how white text looks on a background with the CIELCh color 21, 44.672, 43.785.

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, 44.672, 43.785

Protanopia

22, 26.202, 96.947

Deuteranopia

22, 30.575, 86.366



Tritanopia
21, 39.274, 30.414

Trichromacy



Original Color
21, 44.672, 43.785

Protanomaly
20, 28.782, 66.946

Deuteranomaly
21, 33.220, 64.817

Tritanomaly
21, 41.406, 36.920

Monochromacy



Original Color
21, 44.672, 43.785

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, 44.672, 43.785 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, 24, 1)` looks like.

```
.text, #text, p{  
    color:rgb(98, 24, 1)  
}
```

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, 24, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 24, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 44.672, 43.785 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, 24, 1) }
```

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

```
.border{ border-color:rgb(98, 24, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 24, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 24, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 24, 1); box-shadow:4px  
4px 4px 4px rgb(98, 24, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 44.672, 43.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 24, 1) }
```

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

```
.background{ background-color: rgb(98, 24,  
1) }
```

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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