

Converting Colors

CIELCh(21, 50.439, 38.404)

Have a look what the booklet for
CIELCh(21, 50.439, 38.404) contains.

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Color

CIELCh(21, 50.201, 38.468)

Conversions

Conversions Part 1

Format	Color
Hex	690A01
RGB	105, 10, 1
RGB Percent	41%, 4%, 0%
CMY	0.5873, 0.9594, 0.9950
CMYK	0.00, 0.90, 0.99, 0.59
HSL	5°, 98%, 21%
HSV	5°, 99%, 41%
XYZ	5.9731, 3.2451, 0.3480
YIQ	37.3790, 59.5090, 17.3410

Conversions

Conversions Part 2

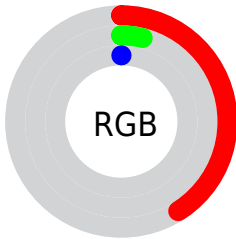
Format	Color
RYB	105, 11, 1
Decimal	6883841
CIELab	21.00, 39.31, 31.23
CIELCh	21, 50.201, 38.468
Yxy	3.2451, 0.6244, 0.3392
Android (android.graphics.Color)	4285073921 (0xFF690A01)
YUV	37.3790, -17.9348, 59.3036
Hunter-Lab	18.0142, 27.6614, 11.4645

Details

The CIELCh color **21, 50.201, 38.468** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **37, 23.546, 210.699**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 50.362, 38.455**, and **6, 27.039, 20.952** is the 20% darker color. If you saturate the color by 10%, you get **21, 50.639, 38.655**, and if you desaturate by 10%, it is **22, 46.227, 37.417**.

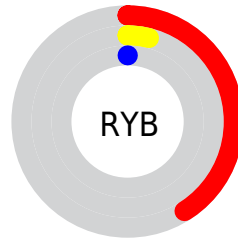
Distribution



Red (41%)

Green (4%)

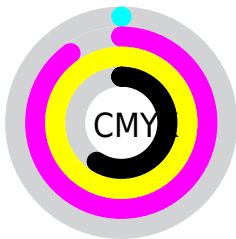
Blue (0%)



Red (41%)

Yellow (4%)

Blue (0%)

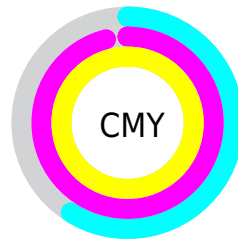


Cyan (0%)

Magenta (90%)

Yellow (99%)

Black (59%)



Cyan (59%)

Magenta (96%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 50.201, 38.468 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, 50.201, 38.468 by changing the saturation by 10% instead.

■ 21, 50.201, 38.468

■ 21, 50.201, 38.468

■ 100, 50.201,
38.468

■ 11, 50.201, 38.468

■ 41, 50.201, 38.468

■ 1, 50.201, 38.468

■ 51, 50.201, 38.468

■ 0, 50.201, 38.468

■ 61, 50.201, 38.468

■ 71, 50.201, 38.468

■ 81, 50.201, 38.468

■ 91, 50.201, 38.468

■ 21, 50.201, 38.468

■ 21, 50.201, 38.468

■ 21, 50.639, 38.655

■ 22, 46.227, 37.417

■ 24, 40.847, 35.549

■ 26, 34.932, 33.464

■ 28, 29.035, 31.734

■ 30, 23.322, 30.370

■ 33, 17.888, 29.328

■ 36, 12.784, 28.547

■ 39, 8.027, 27.965

■ 42, 3.613, 27.508

Harmonies

Complementary

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



21, 50.201, 38.468



37, 23.546, 210.699

Rectangle

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



21, 50.201, 38.468



21, 50.201, 88.468



21, 50.201, 218.468



21, 50.201, 268.468

Sweetspot

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



21, 50.199, 38.470



46, 16.741, 28.689



23, 56.387, 331.609



22, 11.468, 28.916



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



21, 50.199, 38.470



28, 63.937, 40.481



31, 42.602, 69.933



21, 2.344, 27.517



24, 55.742, 39.542



52, 100.147, 40.767

Inverse Universe

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



37, 23.546, 210.699



48, 28.574, 211.285



20, 41.306, 288.520



22, 2.220, 207.255



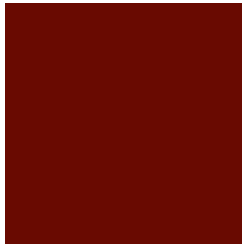
41, 25.488, 211.022



82, 43.666, 211.989

Previews

White Background



This preview shows how the CIE LCh color 21, 50.201, 38.468 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

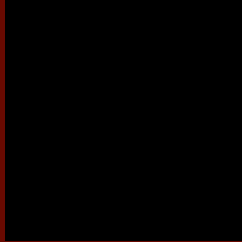
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 50.201, 38.468

Background



This preview shows how black text looks on a background with the CIELCh color 21, 50.201, 38.468.



This preview shows how white text looks on a background with the CIELCh color 21, 50.201, 38.468.

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, 50.201, 38.468

Protanopia

22, 25.808, 97.008

Deuteranopia

22, 31.073, 86.630



Tritanopia
21, 49.305, 36.946

Trichromacy



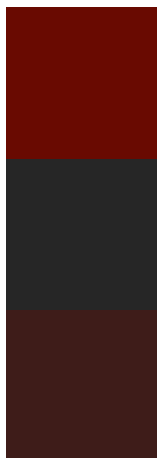
Original Color
21, 50.201, 38.468

Protanomaly
20, 29.509, 58.442

Deuteranomaly
20, 34.814, 57.481

Tritanomaly
21, 49.526, 37.332

Monochromacy



Original Color
21, 50.201, 38.468

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 18.871, 30.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 50.201, 38.468 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(105, 10, 1)` looks like.

```
.text, #text, p{  
    color:rgb(105, 10, 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(105, 10, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 10, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 50.201, 38.468 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(105, 10, 1) }
```

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

```
.border{ border-color:rgb(105, 10, 1) }
```

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

Here you see how a box with a 4 pixel rgb(105, 10, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 10, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 10, 1);  
box-shadow:4px 4px 4px 4px rgb(105, 10, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 50.201, 38.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 10, 1) }
```

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

```
.background{ background-color: rgb(105, 10,  
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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