

Converting Colors

CIELCh(21, 38.111, 42.045)

Have a look what the booklet for
CIELCh(21, 38.111, 42.045) contains.

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Color

CIELCh(21, 38.172, 42.020)

Conversions

Conversions Part 1

Format	Color
Hex	5D1D0D
RGB	93, 29, 13
RGB Percent	36%, 11%, 5%
CMY	0.6349, 0.8859, 0.9486
CMYK	0.00, 0.69, 0.86, 0.63
HSL	12°, 75%, 21%
HSV	12°, 86%, 37%
XYZ	5.0397, 3.2451, 0.7449
YIQ	46.3120, 43.2800, 8.5920

Conversions

Conversions Part 2

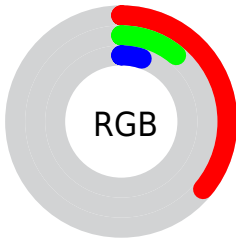
Format	Color
RYB	93, 33, 13
Decimal	6102285
CIELab	21.00, 28.36, 25.55
CIElCh	21, 38.172, 42.020
Yxy	3.2451, 0.5581, 0.3594
Android (android.graphics.Color)	4284292365 (0xFF5D1D0D)
YUV	46.3120, -16.4228, 40.9454
Hunter-Lab	18.0142, 18.4122, 10.1582

Details

The CIELCh color **21, 38.172, 42.020** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **30, 19.749, 228.927**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 38.078, 41.911**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **20, 42.110, 41.568**, and if you desaturate by 10%, it is **23, 33.142, 41.407**.

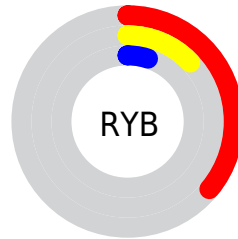
Distribution



Red (36%)

Green (11%)

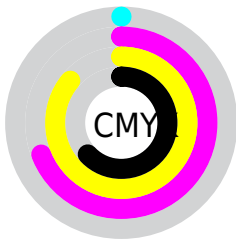
Blue (5%)



Red (36%)

Yellow (13%)

Blue (5%)

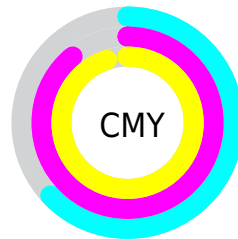


Cyan (0%)

Magenta (69%)

Yellow (86%)

Black (63%)



Cyan (63%)

Magenta (89%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 38.172, 42.020 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, 38.172, 42.020 by changing the saturation by 10% instead.

■ 21, 38.172, 42.020

■ 21, 38.172, 42.020

■ 100, 38.172,
42.020

■ 11, 38.172, 42.020

■ 41, 38.172, 42.020

■ 1, 38.172, 42.020

■ 51, 38.172, 42.020

■ 0, 38.172, 42.020

■ 61, 38.172, 42.020

■ 71, 38.172, 42.020

■ 81, 38.172, 42.020

■ 91, 38.172, 42.020

■ 21, 38.172, 42.020

■ 21, 38.172, 42.020

■ 20, 42.110, 41.568

■ 23, 33.142, 41.407

■ 19, 43.602, 41.569

■ 24, 27.923, 40.584

■ 26, 22.883, 39.949

■ 29, 18.107, 39.516

■ 31, 13.631, 39.264

■ 33, 9.463, 39.163

■ 36, 5.594, 39.173

■ 38, 2.004, 39.203

■ 41, 1.329, 219.798

Harmonies

Complementary

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



21, 38.172, 42.020



30, 19.749, 228.927

Rectangle

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



21, 38.172, 42.020



21, 38.172, 92.020



21, 38.172, 222.020



21, 38.172, 272.020

Sweetspot

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



21, 38.171, 42.023



43, 11.722, 39.166



21, 45.485, 335.405



21, 8.078, 39.180



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



21, 38.171, 42.023



26, 54.842, 43.178



31, 35.189, 81.282



18, 1.893, 39.209



23, 50.684, 42.727



52, 94.424, 43.122

Inverse Universe

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



30, 19.749, 228.927



37, 25.056, 233.943



17, 37.842, 290.712



18, 1.800, 219.802



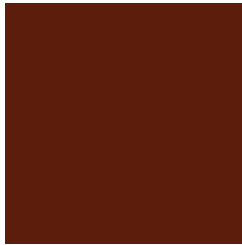
34, 23.500, 233.536



71, 41.654, 236.240

Previews

White Background



This preview shows how the CIE LCh color 21, 38.172, 42.020 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, 38.172, 42.020 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, 38.172, 42.020

Background



This preview shows how black text looks on a background with the CIELCh color 21, 38.172, 42.020.

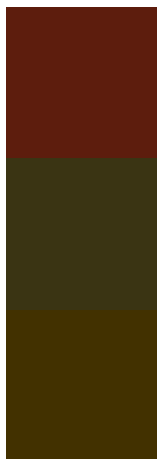


This preview shows how white text looks on a background with the CIELCh color 21, 38.172, 42.020.

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, 38.172, 42.020

Protanopia

22, 21.580, 96.475

Deuteranopia

21, 30.289, 85.087



Tritanopia
21, 34.389, 27.241

Trichromacy



Original Color
21, 38.172, 42.020

Protanomaly
21, 24.081, 66.792

Deuteranomaly
21, 30.682, 65.530

Tritanomaly
21, 35.739, 33.739

Monochromacy



Original Color
21, 38.172, 42.020

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 12.935, 40.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 38.172, 42.020 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(93, 29, 13)` looks like.

```
.text, #text, p{  
    color:rgb(93, 29, 13)  
}
```

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(93, 29, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 29, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 38.172, 42.020 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(93, 29, 13) }
```

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

```
.border{ border-color:rgb(93, 29, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 29, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 29, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 29, 13);  
box-shadow:4px 4px 4px 4px rgb(93, 29, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 38.172, 42.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 29, 13) }
```

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

```
.background{ background-color: rgb(93, 29,  
13) }
```

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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