

Converting Colors

CIELCh(21, 45.547, 37.148)

Have a look what the booklet for
CIELCh(21, 45.547, 37.148) contains.

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Color

CIELCh(21, 45.562, 37.291)

Conversions

Conversions Part 1

Format	Color
Hex	66120A
RGB	102, 18, 10
RGB Percent	40%, 7%, 4%
CMY	0.6014, 0.9309, 0.9624
CMYK	0.00, 0.83, 0.91, 0.60
HSL	5°, 83%, 22%
HSV	5°, 91%, 40%
XYZ	5.7017, 3.2451, 0.6014
YIQ	42.2040, 52.6320, 15.3200

Conversions

Conversions Part 2

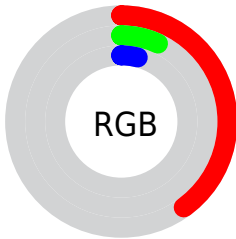
Format	Color
R_{YB}	102, 19, 10
Decimal	6689290
CIE _{Lab}	21.00, 36.25, 27.60
CIE _{LCh}	21, 45.562, 37.291
Yxy	3.2451, 0.5971, 0.3399
Android (android.graphics.Color)	4284879370 (0xFF66120A)
YUV	42.2040, -15.8766, 52.4411
Hunter-Lab	18.0142, 24.9722, 10.6305

Details

The CIELCh color **21, 45.562, 37.291** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 22.481, 209.734**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 45.439, 36.912**, and **6, 25.836, 20.252** is the 20% darker color. If you saturate the color by 10%, you get **20, 49.083, 38.318**, and if you desaturate by 10%, it is **22, 40.676, 35.860**.

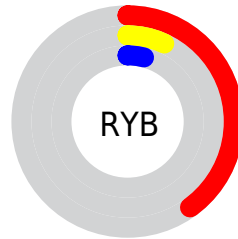
Distribution



Red (40%)

Green (7%)

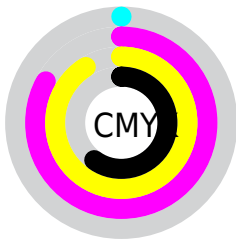
Blue (4%)



Red (40%)

Yellow (7%)

Blue (4%)

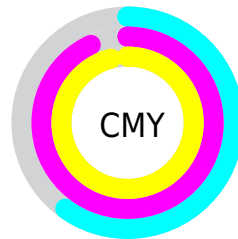


Cyan (0%)

Magenta (83%)

Yellow (91%)

Black (60%)



Cyan (60%)

Magenta (93%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 45.562, 37.291 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, 45.562, 37.291 by changing the saturation by 10% instead.

■ 21, 45.562, 37.291

■ 21, 45.562, 37.291

■ 100, 45.562,
37.291

■ 11, 45.562, 37.291

■ 41, 45.562, 37.291

■ 1, 45.562, 37.291

■ 51, 45.562, 37.291

■ 0, 45.562, 37.291

■ 61, 45.562, 37.291

■ 71, 45.562, 37.291

■ 81, 45.562, 37.291

■ 91, 45.562, 37.291

■ 21, 45.562, 37.291

■ 21, 45.562, 37.291

20, 49.083, 38.318

22, 40.676, 35.860

24, 34.945, 33.738

26, 29.200, 31.957

29, 23.612, 30.544

31, 18.284, 29.458

34, 13.270, 28.641

37, 8.590, 28.032

40, 4.245, 27.564

43, 0.216, 25.770

Harmonies

Complementary

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



21, 45.562, 37.291



36, 22.481, 209.734

Rectangle

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



21, 45.562, 37.291



21, 45.562, 87.291



21, 45.562, 217.291



21, 45.562, 267.291

Sweetspot

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



21, 45.560, 37.294



46, 14.433, 28.454



23, 53.206, 331.277



22, 9.731, 28.606



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



21, 45.560, 37.294



27, 61.943, 40.296



30, 38.444, 71.395



20, 2.249, 27.492



23, 54.682, 39.375



51, 99.351, 40.771

Inverse Universe

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



36, 22.481, 209.734



46, 27.816, 211.185



21, 36.547, 285.473



21, 2.132, 207.235



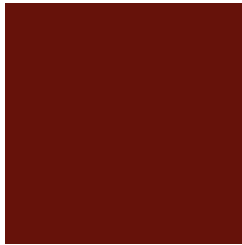
40, 25.100, 210.943



81, 43.332, 211.936

Previews

White Background



This preview shows how the CIE LCh color 21, 45.562, 37.291 looks on a white background.

Color Contrast Check

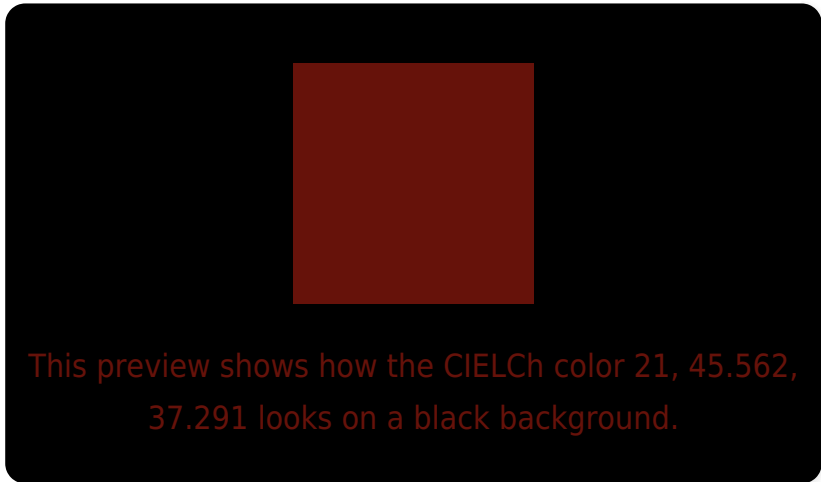
Large Text (above 18pt) WCAG AA ✓ Pass

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

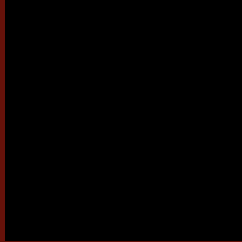
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 45.562, 37.291

Background



This preview shows how black text looks on a background with the CIELCh color 21, 45.562, 37.291.



This preview shows how white text looks on a background with the CIELCh color 21, 45.562, 37.291.

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, 45.562, 37.291

Protanopia

22, 22.677, 96.700

Deuteranopia

22, 30.788, 85.379



Tritanopia
21, 44.273, 33.843

Trichromacy



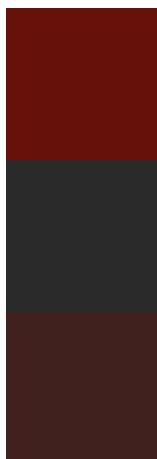
Original Color
21, 45.562, 37.291

Protanomaly
20, 26.774, 58.520

Deuteranomaly
20, 33.231, 58.959

Tritanomaly
21, 44.802, 34.993

Monochromacy



Original Color
21, 45.562, 37.291

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 16.833, 30.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 45.562, 37.291 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(102, 18, 10)` looks like.

```
.text, #text, p{  
    color:rgb(102, 18, 10)  
}
```

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(102, 18, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 18, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 45.562, 37.291 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(102, 18, 10) }
```

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

```
.border{ border-color:rgb(102, 18, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 18, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 18, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 18, 10);  
box-shadow:4px 4px 4px 4px rgb(102, 18,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 45.562, 37.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 18, 10) }
```

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

```
.background{ background-color: rgb(102, 18,  
10) }
```

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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