

Converting Colors

CIELCh(21, 46.137, 35.959)

Have a look what the booklet for
CIELCh(21, 46.137, 35.959) contains.

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Color

CIELCh(21, 46.344, 35.826)

Conversions

Conversions Part 1

Format	Color
Hex	670F0B
RGB	103, 15, 11
RGB Percent	40%, 6%, 4%
CMY	0.5963, 0.9413, 0.9570
CMYK	0.00, 0.85, 0.89, 0.60
HSL	3°, 81%, 22%
HSV	3°, 89%, 40%
XYZ	5.8185, 3.2451, 0.6349
YIQ	40.8560, 53.7320, 17.4120

Conversions

Conversions Part 2

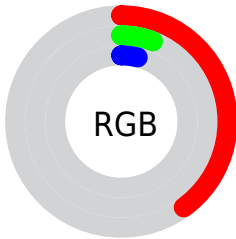
Format	Color
RYB	103, 15, 11
Decimal	6754059
CIELab	21.00, 37.58, 27.13
CIElCh	21, 46.344, 35.826
Yxy	3.2451, 0.5999, 0.3346
Android (android.graphics.Color)	4284944139 (0xFF670F0B)
YUV	40.8560, -14.7190, 54.5003
Hunter-Lab	18.0142, 26.1300, 10.5205

Details

The CIELCh color **21, 46.344, 35.826** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 23.638, 202.677**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 46.155, 36.247**, and **6, 26.448, 20.592** is the 20% darker color. If you saturate the color by 10%, you get **20, 50.032, 37.180**, and if you desaturate by 10%, it is **22, 41.347, 33.681**.

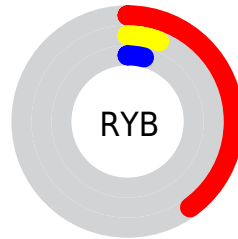
Distribution



Red (40%)

Green (6%)

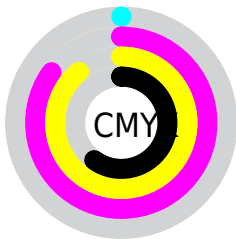
Blue (4%)



Red (40%)

Yellow (6%)

Blue (4%)

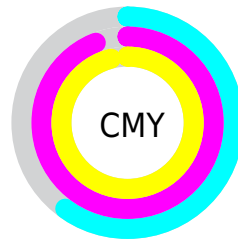


Cyan (0%)

Magenta (85%)

Yellow (89%)

Black (60%)



Cyan (60%)

Magenta (94%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 46.344, 35.826 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, 46.344, 35.826 by changing the saturation by 10% instead.

■ 21, 46.344, 35.826

■ 21, 46.344, 35.826

■ 100, 46.344,
35.826

■ 11, 46.344, 35.826

■ 41, 46.344, 35.826

■ 1, 46.344, 35.826

■ 51, 46.344, 35.826

■ 0, 46.344, 35.826

■ 61, 46.344, 35.826

■ 71, 46.344, 35.826

■ 81, 46.344, 35.826

■ 91, 46.344, 35.826

■ 21, 46.344, 35.826

■ 21, 46.344, 35.826

■ 20, 50.032, 37.180

■ 22, 41.347, 33.681

■ 20, 50.264, 37.264

■ 24, 35.581, 31.111

■ 26, 29.746, 28.975

■ 29, 24.021, 27.278

■ 32, 18.525, 25.960

■ 35, 13.329, 24.945

■ 38, 8.466, 24.162

■ 41, 3.941, 23.532

■ 44, 0.258, 204.502

Harmonies

Complementary

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



21, 46.344, 35.826



38, 23.638, 202.677

Rectangle

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



21, 46.344, 35.826



21, 46.344, 85.826



21, 46.344, 215.826



21, 46.344, 265.826

Sweetspot

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



21, 46.342, 35.828



45, 14.998, 24.805



24, 55.392, 329.281



21, 10.109, 25.003



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, 46.342, 35.828



27, 62.528, 39.474



30, 38.465, 67.116



19, 2.341, 23.505



23, 55.274, 38.365



51, 100.059, 40.326

Inverse Universe

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



38, 23.638, 202.677



48, 29.124, 203.332



23, 33.360, 280.623



21, 2.219, 202.959



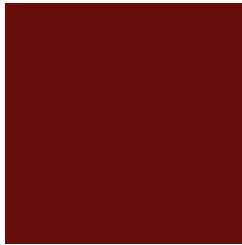
42, 26.271, 203.224



84, 45.417, 203.668

Previews

White Background



This preview shows how the CIE LCh color 21, 46.344, 35.826 looks on a white background.

Color Contrast Check

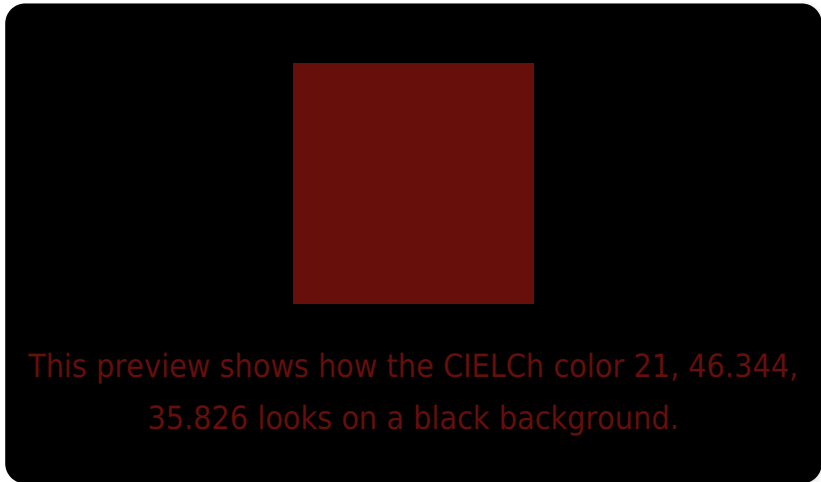
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.344, 35.826

Background



This preview shows how black text looks on a background with the CIELCh color 21, 46.344, 35.826.

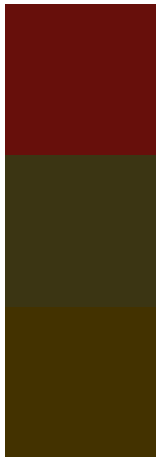


This preview shows how white text looks on a background with the CIELCh color 21, 46.344, 35.826.

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, 46.344, 35.826

Protanopia

22, 22.117, 96.638

Deuteranopia

22, 30.788, 85.379



Tritanopia
21, 45.877, 34.882

Trichromacy



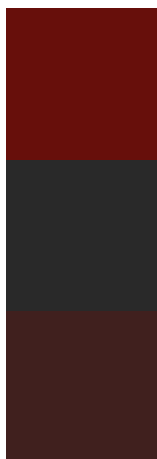
Original Color
21, 46.344, 35.826

Protanomaly
20, 26.452, 56.288

Deuteranomaly
20, 33.004, 57.374

Tritanomaly
21, 46.115, 35.369

Monochromacy



Original Color
21, 46.344, 35.826

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 17.223, 28.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 46.344, 35.826 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(103, 15, 11)` looks like.

```
.text, #text, p{  
    color:rgb(103, 15, 11)  
}
```

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(103, 15, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 15, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 46.344, 35.826 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(103, 15, 11) }
```

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

```
.border{ border-color:rgb(103, 15, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 15, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 15, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 15, 11);  
box-shadow:4px 4px 4px 4px rgb(103, 15,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 46.344, 35.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 15, 11) }
```

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

```
.background{ background-color: rgb(103, 15,  
11) }
```

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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