

Converting Colors

CIELCh(41, 21.080, 39.511)

Have a look what the booklet for
CIELCh(41, 21.080, 39.511) contains.

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Color

CIELCh(41, 21.062, 38.362)

Conversions

Conversions Part 1

Format	Color
Hex	81564C
RGB	129, 86, 76
RGB Percent	51%, 34%, 30%
CMY	0.4938, 0.6624, 0.7017
CMYK	0.00, 0.33, 0.41, 0.49
HSL	11°, 26%, 40%
HSV	11°, 41%, 51%
XYZ	13.7072, 11.8645, 8.4189
YIQ	97.7170, 28.8380, 6.0060

Conversions

Conversions Part 2

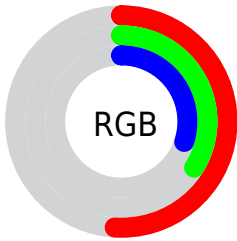
Format	Color
R_{YB}	129, 88, 76
Decimal	8476236
CIE _{Lab}	41.00, 16.51, 13.07
CIE _{LCh}	41, 21.062, 38.362
Yxy	11.8645, 0.4033, 0.3491
Android (android.graphics.Color)	4286666316 (0xFF81564C)
YUV	97.7170, -10.7065, 27.4352
Hunter-Lab	34.4449, 10.7546, 9.6201

Details

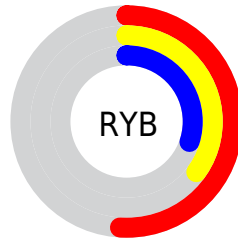
The CIELCh color **41, 21.062, 38.362** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **47, 15.797, 220.123**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 20.888, 38.217**, and **21, 21.292, 37.897** is the 20% darker color. If you saturate the color by 10%, you get **38, 27.230, 38.834**, and if you desaturate by 10%, it is **44, 15.306, 38.096**.

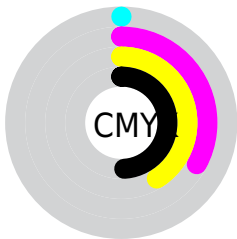
Distribution



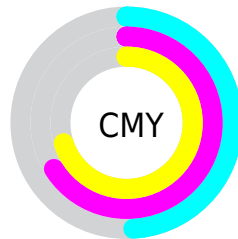
- Red (51%)
- Green (34%)
- Blue (30%)



- Red (51%)
- Yellow (35%)
- Blue (30%)



- Cyan (0%)
- Magenta (33%)
- Yellow (41%)
- Black (49%)



- Cyan (49%)
- Magenta (66%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 21.062, 38.362 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 41, 21.062, 38.362 by changing the saturation by 10% instead.

■ 41, 21.062, 38.362

■ 41, 21.062, 38.362

■ 100, 21.062,
38.362

■ 31, 21.062, 38.362

■ 61, 21.062, 38.362

■ 21, 21.062, 38.362

■ 71, 21.062, 38.362

■ 11, 21.062, 38.362

■ 81, 21.062, 38.362

■ 1, 21.062, 38.362

■ 91, 21.062, 38.362

■ 0, 21.062, 38.362

■ 41, 21.062, 38.362

■ 41, 21.062, 38.362

■ 38, 27.230, 38.834

■ 44, 15.306, 38.096

■ 35, 33.774, 39.526

■ 47, 9.969, 37.979

33, 40.594, 40.446

50, 5.032, 37.964

31, 47.467, 41.518

54, 0.465, 37.314

29, 53.912, 42.480

57, 3.766, 218.466

28, 58.719, 43.040

60, 7.696, 218.662

64, 11.359,
218.934

67, 14.786,
219.240

70, 18.007,
219.568

Harmonies

Complementary

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



41, 21.062, 38.362



47, 15.797, 220.123

Rectangle

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



41, 21.062, 38.362



41, 21.062, 88.362



41, 21.062, 218.362



41, 21.062, 268.362

Sweetspot

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



41, 21.061, 38.367



64, 6.811, 37.964



40, 33.012, 332.482



33, 4.515, 37.963



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



41, 21.061, 38.367



50, 32.342, 38.782



48, 22.572, 87.323



25, 2.517, 37.964



27, 58.101, 42.996



0, 0.000, 0.000

Inverse Universe

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



47, 15.797, 220.123



59, 22.454, 221.032



39, 22.602, 278.983



26, 2.384, 218.478



40, 26.112, 231.837



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 41, 21.062, 38.362 looks on a white background.

Color Contrast Check

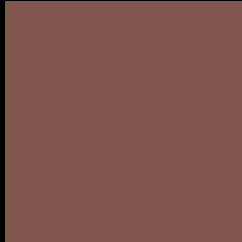
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 41, 21.062, 38.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

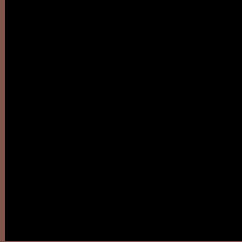
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 21.062, 38.362

Background



This preview shows how black text looks on a background with the CIELCh color 41, 21.062, 38.362.



This preview shows how white text looks on a background with the CIELCh color 41, 21.062, 38.362.

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

41, 21.062, 38.362

Protanopia

41, 9.898, 95.720

Deuteranopia

41, 14.687, 67.330



Tritanopia
41, 20.517, 12.499

Trichromacy



Original Color
41, 21.062, 38.362

Protanomaly
41, 12.176, 63.775

Deuteranomaly
41, 16.406, 53.945

Tritanomaly
41, 20.242, 22.332

Monochromacy



Original Color
41, 21.062, 38.362

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 6.979, 40.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 21.062, 38.362 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(129, 86, 76)` looks like.

```
.text, #text, p{  
    color:rgb(129, 86, 76)  
}
```

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(129, 86, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 86, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 21.062, 38.362 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(129, 86, 76) }
```

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

```
.border{ border-color:rgb(129, 86, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 86, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 86, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 86, 76);  
box-shadow:4px 4px 4px 4px rgb(129, 86,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 21.062, 38.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 86, 76) }
```

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

```
.background{ background-color: rgb(129, 86,  
76) }
```

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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