

Converting Colors

CIELCh(42, 20.279, 51.129)

Have a look what the booklet for
CIELCh(42, 20.279, 51.129) contains.

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Color

CIELCh(42, 20.379, 50.878)

Conversions

Conversions Part 1

Format	Color
Hex	805B4A
RGB	128, 91, 74
RGB Percent	50%, 36%, 29%
CMY	0.4991, 0.6441, 0.7107
CMYK	0.00, 0.29, 0.42, 0.50
HSL	19°, 27%, 40%
HSV	19°, 42%, 50%
XYZ	13.8100, 12.5000, 8.1218
YIQ	100.1250, 27.5090, 2.5570

Conversions

Conversions Part 2

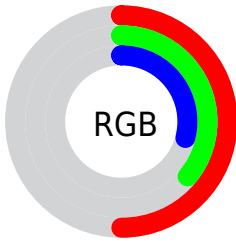
Format	Color
RYB	128, 99, 74
Decimal	8411978
CIELab	42.00, 12.86, 15.81
CIELCh	42, 20.379, 50.878
Yxy	12.5000, 0.4011, 0.3630
Android (android.graphics.Color)	4286602058 (0xFF805B4A)
YUV	100.1250, -12.8796, 24.4464
Hunter-Lab	35.3553, 7.8515, 11.1288

Details

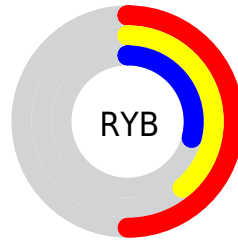
The CIELCh color **42, 20.379, 50.878** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **45, 15.894, 238.340**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 20.257, 50.230**, and **22, 20.442, 50.753** is the 20% darker color. If you saturate the color by 10%, you get **39, 26.135, 50.505**, and if you desaturate by 10%, it is **45, 14.992, 51.358**.

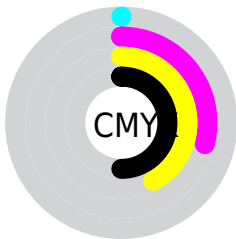
Distribution



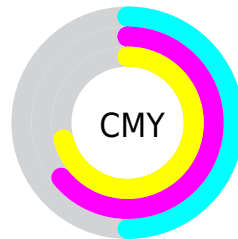
- Red (50%)
- Green (36%)
- Blue (29%)



- Red (50%)
- Yellow (39%)
- Blue (29%)



- Cyan (0%)
- Magenta (29%)
- Yellow (42%)
- Black (50%)



- Cyan (50%)
- Magenta (64%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 20.379, 50.878 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 42, 20.379, 50.878 by changing the saturation by 10% instead.

■ 42, 20.379, 50.878

■ 42, 20.379, 50.878

■ 100, 20.379,
50.878

■ 32, 20.379, 50.878

■ 62, 20.379, 50.878

■ 22, 20.379, 50.878

■ 72, 20.379, 50.878

■ 12, 20.379, 50.878

■ 82, 20.379, 50.878

■ 2, 20.379, 50.878

■ 92, 20.379, 50.878

■ 0, 20.379, 50.878

■ 42, 20.379, 50.878

■ 42, 20.379, 50.878

■ 39, 26.135, 50.505

■ 45, 14.992, 51.358

■ 37, 32.233, 50.223

■ 47, 9.972, 51.910

■ 35, 38.579, 50.010

■ 50, 5.296, 52.507

■ 33, 44.945, 49.761

■ 53, 0.937, 52.870

■ 31, 50.843, 49.216

■ 56, 3.137, 234.075

■ 30, 55.146, 48.911

■ 59, 6.957, 234.739

■ 61, 10.552,
235.456

■ 64, 13.950,
236.182

■ 67, 17.174,
236.903

Harmonies

Complementary

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



42, 20.379, 50.878



45, 15.894, 238.340

Rectangle

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



42, 20.379, 50.878



42, 20.379, 100.878



42, 20.379, 230.878



42, 20.379, 280.878

Sweetspot

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



42, 20.378, 50.884



64, 6.981, 52.444



39, 31.084, 337.338



33, 4.957, 52.329



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 20.378, 50.884



51, 31.558, 50.507



49, 25.438, 95.605



25, 2.406, 52.692



30, 55.062, 48.910



0, 0.000, 0.000

Inverse Universe

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



45, 15.894, 238.340



55, 22.941, 240.322



37, 26.801, 286.680



26, 2.300, 234.206



35, 29.537, 257.085



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 20.379, 50.878 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 CIELCh color 42, 20.379, 50.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

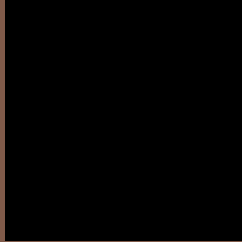
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.379, 50.878

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.379, 50.878.



This preview shows how white text looks on a background with the CIELCh color 42, 20.379, 50.878.

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

42, 20.379, 50.878

Protanopia

42, 12.993, 94.220

Deuteranopia

42, 17.178, 69.746



Tritanopia
42, 18.661, 9.279

Trichromacy



Original Color
42, 20.379, 50.878

Protanomaly
42, 14.691, 74.176

Deuteranomaly
42, 18.353, 60.963

Tritanomaly
42, 17.987, 25.639

Monochromacy



Original Color
42, 20.379, 50.878

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 7.079, 56.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.379, 50.878 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(128, 91, 74)` looks like.

```
.text, #text, p{  
  color:rgb(128, 91, 74)  
}
```

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(128, 91, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 91, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.379, 50.878 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(128, 91, 74) }
```

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

```
.border{ border-color:rgb(128, 91, 74) }
```

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

Here you see how a box with a 4 pixel rgb(128, 91, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 91, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 91, 74);  
box-shadow:4px 4px 4px 4px rgb(128, 91,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.379, 50.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 91, 74) }
```

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

```
.background{ background-color: rgb(128, 91,  
74) }
```

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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