

Converting Colors

CIELCh(42, 51.935, 50.040)

Have a look what the booklet for
CIELCh(42, 51.935, 50.040) contains.

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Color

CIELCh(42, 51.848, 50.394)

Conversions

Conversions Part 1

Format	Color
Hex	A04A21
RGB	160, 74, 33
RGB Percent	63%, 29%, 13%
CMY	0.3722, 0.7095, 0.8703
CMYK	0.00, 0.54, 0.79, 0.37
HSL	19°, 66%, 38%
HSV	19°, 79%, 63%
XYZ	17.2438, 12.5000, 2.9478
YIQ	95.0400, 64.4170, 5.4810

Conversions

Conversions Part 2

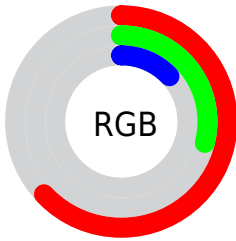
Format	Color
R_{YB}	160, 94, 33
Decimal	10504737
CIE _{Lab}	42.00, 33.05, 39.95
CIE _{LCh}	42, 51.848, 50.394
Yxy	12.5000, 0.5275, 0.3824
Android (android.graphics.Color)	4288694817 (0xFFA04A21)
YUV	95.0400, -30.5857, 56.9699
Hunter-Lab	35.3553, 25.1877, 19.8054

Details

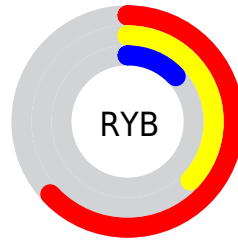
The CIELCh color **42, 51.848, 50.394** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **47, 30.951, 250.292**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 51.904, 50.703**, and **22, 46.618, 44.430** is the 20% darker color. If you saturate the color by 10%, you get **40, 59.000, 49.815**, and if you desaturate by 10%, it is **45, 44.211, 50.710**.

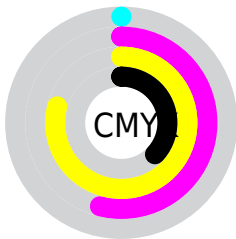
Distribution



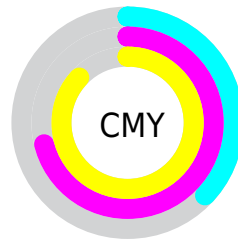
- Red (63%)
- Green (29%)
- Blue (13%)



- Red (63%)
- Yellow (37%)
- Blue (13%)



- Cyan (0%)
- Magenta (54%)
- Yellow (79%)
- Black (37%)



- Cyan (37%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 51.848, 50.394 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, 51.848, 50.394 by changing the saturation by 10% instead.

■ 42, 51.848, 50.394

■ 42, 51.848, 50.394

■ 100, 51.848,
50.394

■ 32, 51.848, 50.394

■ 62, 51.848, 50.394

■ 22, 51.848, 50.394

■ 72, 51.848, 50.394

■ 12, 51.848, 50.394

■ 82, 51.848, 50.394

■ 2, 51.848, 50.394

■ 92, 51.848, 50.394

■ 0, 51.848, 50.394

■ 42, 51.848, 50.394

■ 42, 51.848, 50.394

■ 40, 59.000, 49.815

■ 45, 44.211, 50.710

■ 38, 65.230, 48.960

■ 47, 36.651, 50.999

38, 65.672, 48.956

50, 29.416, 51.360

53, 22.605, 51.817

56, 16.244, 52.364

59, 10.322, 52.982

63, 4.809, 53.627

66, 0.331, 235.710

69, 5.137, 235.287

Harmonies

Complementary

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



42, 51.848, 50.394



47, 30.951, 250.292

Rectangle

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



42, 51.848, 50.394



42, 51.848, 100.394



42, 51.848, 230.394



42, 51.848, 280.394

Sweetspot

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



42, 51.846, 50.397



74, 16.219, 52.658



38, 60.836, 342.289



38, 11.258, 52.455



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



42, 51.846, 50.397



50, 77.366, 48.917



57, 54.638, 92.124



32, 2.880, 53.633



34, 60.139, 49.267



2, 3.665, 52.322

Inverse Universe

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



47, 30.951, 250.292



57, 42.621, 258.225



29, 65.816, 297.206



32, 2.751, 235.248



39, 32.660, 259.094



2, 3.673, 238.729

Previews

White Background



This preview shows how the CIELCh color 42, 51.848, 50.394 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, 51.848, 50.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

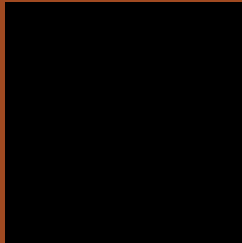
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 51.848, 50.394

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.848, 50.394.



This preview shows how white text looks on a background with the CIELCh color 42, 51.848, 50.394.

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, 51.848, 50.394

Protanopia

42, 34.985, 96.084

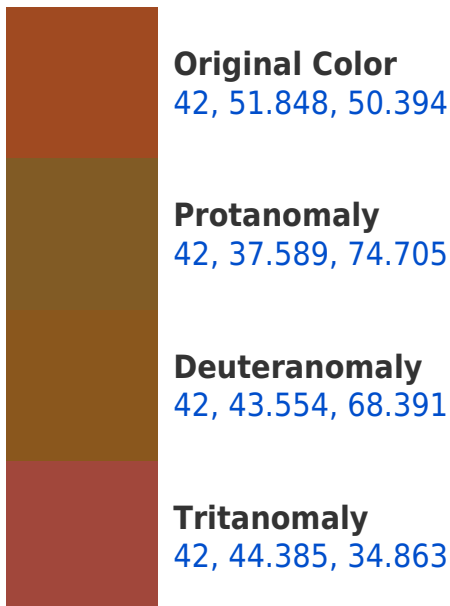
Deuteranopia

42, 42.003, 83.068



Tritanopia
42, 41.914, 23.340

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.848, 50.394 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(160, 74, 33)` looks like.

```
.text, #text, p{  
    color:rgb(160, 74, 33)  
}
```

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(160, 74, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 74, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.848, 50.394 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(160, 74, 33) }
```

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

```
.border{ border-color:rgb(160, 74, 33) }
```

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

Here you see how a box with a 4 pixel rgb(160, 74, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 74, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 74, 33);  
box-shadow:4px 4px 4px 4px rgb(160, 74,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.848, 50.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 74, 33) }
```

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

```
.background{ background-color: rgb(160, 74,  
33) }
```

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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