

Converting Colors

CIELCh(42, 51.729, 37.269)

Have a look what the booklet for
CIELCh(42, 51.729, 37.269) contains.

CIELCh(42, 51.419, 37.144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 51.419, 37.144)

Conversions

Conversions Part 1

Format	Color
Hex	A84232
RGB	168, 66, 50
RGB Percent	66%, 26%, 20%
CMY	0.3403, 0.7404, 0.8033
CMYK	0.00, 0.61, 0.70, 0.34
HSL	8°, 54%, 43%
HSV	8°, 70%, 66%
XYZ	18.7348, 12.5000, 4.4618
YIQ	94.6740, 65.9280, 16.6480

Conversions

Conversions Part 2

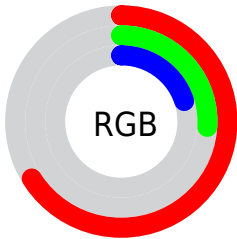
Format	Color
R _Y B	168, 69, 50
Decimal	11026994
CIE Lab	42.00, 40.99, 31.05
CIE LCh	42, 51.419, 37.144
Yxy	12.5000, 0.5248, 0.3502
Android (android.graphics.Color)	4289217074 (0xFFA84232)
YUV	94.6740, -22.0243, 64.3069
Hunter-Lab	35.3553, 32.7155, 17.2663

Details

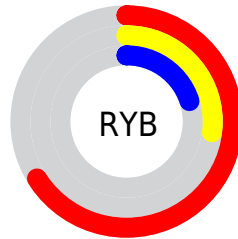
The CIELCh color **42, 51.419, 37.144** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **58, 28.948, 215.674**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 51.230, 37.258**, and **22, 51.613, 37.101** is the 20% darker color. If you saturate the color by 10%, you get **39, 60.007, 38.873**, and if you desaturate by 10%, it is **45, 42.786, 35.660**.

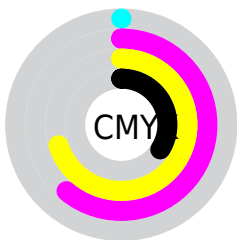
Distribution



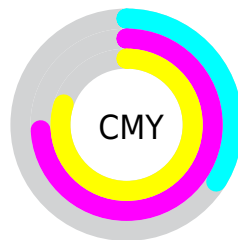
- Red (66%)
- Green (26%)
- Blue (20%)



- Red (66%)
- Yellow (27%)
- Blue (20%)



- Cyan (0%)
- Magenta (61%)
- Yellow (70%)
- Black (34%)



- Cyan (34%)
- Magenta (74%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 51.419, 37.144 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, 51.419, 37.144 by changing the saturation by 10% instead.

■ 42, 51.419, 37.144

■ 42, 51.419, 37.144

■ 100, 51.419,
37.144

■ 32, 51.419, 37.144

■ 62, 51.419, 37.144

■ 22, 51.419, 37.144

■ 72, 51.419, 37.144

■ 12, 51.419, 37.144

■ 82, 51.419, 37.144

■ 2, 51.419, 37.144

■ 92, 51.419, 37.144

■ 0, 51.419, 37.144

■ 42, 51.419, 37.144

■ 42, 51.419, 37.144

■ 39, 60.007, 38.873

■ 45, 42.786, 35.660

■ 37, 67.866, 40.508

■ 49, 34.436, 34.494

36, 74.227, 41.938

52, 26.527, 33.633

56, 19.135, 33.027

60, 12.278, 32.621

65, 5.944, 32.348

69, 0.099, 27.412

73, 5.301, 212.398

78, 10.301,
212.406

Harmonies

Complementary

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



42, 51.419, 37.144



58, 28.948, 215.674

Rectangle

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



42, 51.419, 37.144



42, 51.419, 87.144



42, 51.419, 217.144



42, 51.419, 267.144

Sweetspot

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



42, 51.417, 37.147



76, 15.934, 32.661



43, 66.506, 332.492



39, 10.886, 32.757



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 51.417, 37.147



50, 78.445, 39.798



55, 46.692, 78.764



33, 3.294, 32.326



31, 66.973, 41.804



2, 5.896, 30.324

Inverse Universe

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



58, 28.948, 215.674



72, 38.025, 218.193



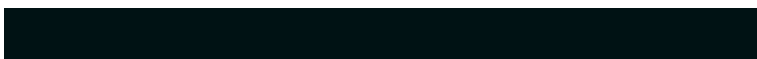
40, 45.902, 283.523



35, 3.106, 212.396



49, 29.171, 221.115



4, 5.627, 217.466

Previews

White Background



This preview shows how the CIELCh color 42, 51.419, 37.144 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, 51.419, 37.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

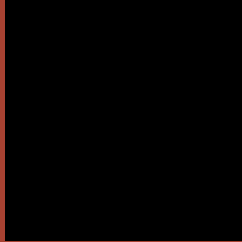
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 51.419, 37.144

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.419, 37.144.



This preview shows how white text looks on a background with the CIELCh color 42, 51.419, 37.144.

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, 51.419, 37.144

Protanopia

42, 22.963, 96.133

Deuteranopia

42, 33.594, 80.273



Tritanopia
42, 48.008, 25.179

Trichromacy



Original Color
42, 51.419, 37.144

Protanomaly
41, 28.308, 59.819

Deuteranomaly
42, 37.144, 59.129

Tritanomaly
42, 48.940, 29.594

Monochromacy



Original Color
42, 51.419, 37.144

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 17.424, 33.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.419, 37.144 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(168, 66, 50)` looks like.

```
.text, #text, p{  
    color:rgb(168, 66, 50)  
}
```

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(168, 66, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 66, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.419, 37.144 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(168, 66, 50) }
```

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

```
.border{ border-color:rgb(168, 66, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 66, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 66, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 66, 50);  
box-shadow:4px 4px 4px 4px rgb(168, 66,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.419, 37.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 66, 50) }
```

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

```
.background{ background-color: rgb(168, 66,  
50) }
```

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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