

Converting Colors

CIELCh(37, 36.050, 50.395)

Have a look what the booklet for
CIELCh(37, 36.050, 50.395) contains.

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Color

CIELCh(37, 36.050, 50.395)

Conversions

Conversions Part 1

Format	Color
Hex	83472B
RGB	131, 71, 43
RGB Percent	51%, 28%, 17%
CMY	0.4856, 0.7210, 0.8309
CMYK	0.00, 0.46, 0.67, 0.49
HSL	19°, 51%, 34%
HSV	19°, 67%, 51%
XYZ	12.0859, 9.5379, 3.5021
YIQ	85.7480, 44.7480, 4.0120

Conversions

Conversions Part 2

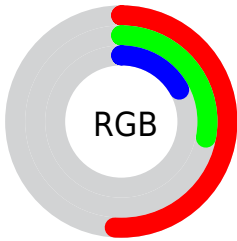
Format	Color
R _Y B	131, 84, 43
Decimal	8603435
CIE Lab	37.00, 22.98, 27.77
CIE LCh	37, 36.050, 50.395
Yxy	9.5379, 0.4810, 0.3796
Android (android.graphics.Color)	4286793515 (0xFF83472B)
YUV	85.7480, -21.0748, 39.6860
Hunter-Lab	30.8835, 15.8077, 14.8951

Details

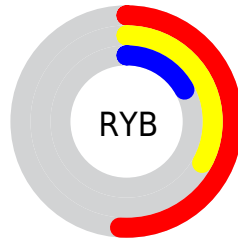
The CIELCh color **37, 36.050, 50.395** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **41, 23.522, 244.783**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 36.411, 50.267**, and **17, 34.402, 47.496** is the 20% darker color. If you saturate the color by 10%, you get **35, 42.572, 50.158**, and if you desaturate by 10%, it is **39, 29.684, 50.665**.

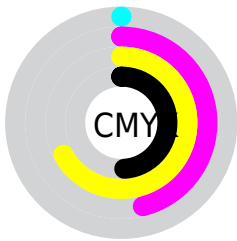
Distribution



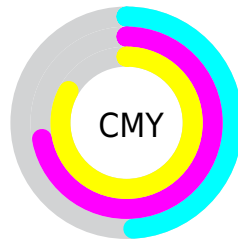
- Red (51%)
- Green (28%)
- Blue (17%)



- Red (51%)
- Yellow (33%)
- Blue (17%)



- Cyan (0%)
- Magenta (46%)
- Yellow (67%)
- Black (49%)



- Cyan (49%)
- Magenta (72%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 36.050, 50.395 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 37, 36.050, 50.395 by changing the saturation by 10% instead.

37, 36.050, 50.395

37, 36.050, 50.395

100, 36.050,
50.395

27, 36.050, 50.395

57, 36.050, 50.395

17, 36.050, 50.395

67, 36.050, 50.395

7, 36.050, 50.395

77, 36.050, 50.395

0, 36.050, 50.395

87, 36.050, 50.395

97, 36.050, 50.395

37, 36.050, 50.395

37, 36.050, 50.395

35, 42.572, 50.158

39, 29.684, 50.665

33, 48.904, 49.771

42, 23.630, 51.017

31, 54.639, 49.158

44, 17.945, 51.466

31, 56.284, 49.099

47, 12.637, 52.001

50, 7.693, 52.599

53, 3.086, 53.200

56, 1.214, 234.327

59, 5.241, 234.830

61, 9.024, 235.546

Harmonies

Complementary

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



37, 36.050, 50.395



41, 23.522, 244.783

Rectangle

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



37, 36.050, 50.395



37, 36.050, 100.395



37, 36.050, 230.395



37, 36.050, 280.395

Sweetspot

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



37, 36.049, 50.399



63, 11.292, 52.394



33, 46.984, 340.556



32, 7.832, 52.250



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



37, 36.049, 50.399



44, 56.135, 49.972



49, 40.871, 93.742



26, 2.486, 53.088



30, 55.890, 49.101



0, 0.579, 53.811

Inverse Universe

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



41, 23.522, 244.783



50, 32.837, 250.350



28, 46.341, 293.422



27, 2.377, 234.634



35, 30.149, 257.782



0, 0.579, 233.830

Previews

White Background



This preview shows how the CIELCh color 37, 36.050, 50.395 looks on a white background.

Color Contrast Check

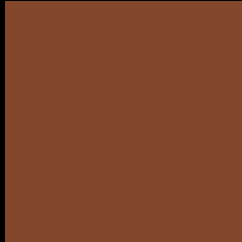
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 36.050, 50.395 looks on a 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 37, 36.050, 50.395

Background



This preview shows how black text looks on a background with the CIELCh color 37, 36.050, 50.395.



This preview shows how white text looks on a background with the CIELCh color 37, 36.050, 50.395.

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

37, 36.050, 50.395

Protanopia

37, 23.876, 96.888

Deuteranopia

37, 29.183, 80.187



Tritanopia
37, 29.985, 20.065

Trichromacy



Original Color
37, 36.050, 50.395

Protanomaly
37, 25.614, 74.882

Deuteranomaly
37, 30.472, 68.287

Tritanomaly
37, 30.817, 31.988

Monochromacy



Original Color
37, 36.050, 50.395

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 11.997, 54.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 36.050, 50.395 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(131, 71, 43)` looks like.

```
.text, #text, p{  
    color:rgb(131, 71, 43)  
}
```

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(131, 71, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 71, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 36.050, 50.395 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(131, 71, 43) }
```

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

```
.border{ border-color:rgb(131, 71, 43) }
```

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

Here you see how a box with a 4 pixel rgb(131, 71, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 71, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 71, 43);  
box-shadow:4px 4px 4px 4px rgb(131, 71,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 36.050, 50.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 71, 43) }
```

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

```
.background{ background-color: rgb(131, 71,  
43) }
```

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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