

Converting Colors

CIELCh(47, 66.839, 40.438)

Have a look what the booklet for
CIELCh(47, 66.839, 40.438) contains.

CIELCh(47, 66.857, 40.432)	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(47, 66.857, 40.432)

Conversions

Conversions Part 1

Format	Color
Hex	C54228
RGB	197, 66, 40
RGB Percent	77%, 26%, 16%
CMY	0.2258, 0.7397, 0.8420
CMYK	0.00, 0.66, 0.80, 0.23
HSL	10°, 66%, 47%
HSV	10°, 80%, 77%
XYZ	25.4907, 16.0195, 3.7829
YIQ	102.2050, 86.4220, 19.6860

Conversions

Conversions Part 2

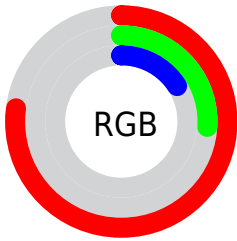
Format	Color
R_{YB}	197, 71, 40
Decimal	12927528
CIE Lab	47.00, 50.89, 43.36
CIE LCh	47, 66.857, 40.432
Yxy	16.0195, 0.5628, 0.3537
Android (android.graphics.Color)	4291117608 (0xFFC54228)
YUV	102.2050, -30.6671, 83.1352
Hunter-Lab	40.0243, 43.6407, 22.4132

Details

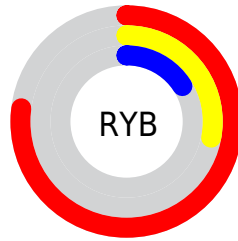
The CIELCh color **47, 66.857, 40.432** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **65, 34.094, 222.605**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 64.887, 40.804**, and **27, 64.073, 38.791** is the 20% darker color. If you saturate the color by 10%, you get **45, 75.786, 41.669**, and if you desaturate by 10%, it is **50, 57.110, 39.049**.

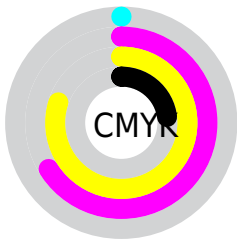
Distribution



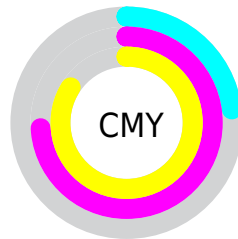
- Red (77%)
- Green (26%)
- Blue (16%)



- Red (77%)
- Yellow (28%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (80%)
- Black (23%)



- Cyan (23%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 66.857, 40.432 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 47, 66.857, 40.432 by changing the saturation by 10% instead.

47, 66.857, 40.432

47, 66.857, 40.432

100, 66.857,
40.432

37, 66.857, 40.432

67, 66.857, 40.432

27, 66.857, 40.432

77, 66.857, 40.432

17, 66.857, 40.432

87, 66.857, 40.432

7, 66.857, 40.432

97, 66.857, 40.432

0, 66.857, 40.432

47, 66.857, 40.432

47, 66.857, 40.432

45, 75.786, 41.669

50, 57.110, 39.049

43, 82.774, 42.391

53, 47.363, 37.849

43, 83.058, 42.448

57, 37.981, 36.926

62, 29.134, 36.275

66, 20.891, 35.854

70, 13.264, 35.614

75, 6.228, 35.488

80, 0.261, 217.697

85, 6.253, 215.810

Harmonies

Complementary

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



47, 66.857, 40.432



65, 34.094, 222.605

Rectangle

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



47, 66.857, 40.432



47, 66.857, 90.432



47, 66.857, 220.432



47, 66.857, 270.432

Sweetspot

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



47, 66.855, 40.435



86, 20.412, 35.710



48, 79.993, 333.838



44, 14.236, 35.805



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 66.855, 40.435



56, 98.465, 42.044



63, 59.715, 78.467



39, 3.704, 35.486



35, 71.761, 42.696



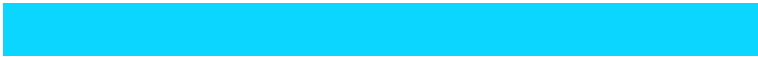
5, 14.409, 28.944

Inverse Universe

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



65, 34.094, 222.605



79, 43.343, 227.518



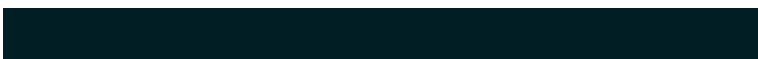
42, 61.504, 288.353



41, 3.490, 215.809



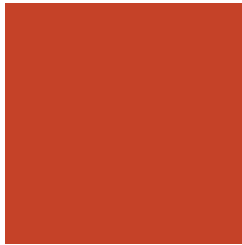
52, 31.179, 227.781



9, 11.306, 220.263

Previews

White Background



This preview shows how the CIELCh color 47, 66.857, 40.432 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 47, 66.857, 40.432 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 47, 66.857, 40.432

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.857, 40.432.



This preview shows how white text looks on a background with the CIELCh color 47, 66.857, 40.432.

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

47, 66.857, 40.432

Protanopia

47, 34.214, 95.858

Deuteranopia

47, 46.171, 82.087



Tritanopia
47, 60.667, 27.820

Trichromacy



Original Color
47, 66.857, 40.432

Protanomaly
46, 40.126, 62.848

Deuteranomaly
46, 50.352, 61.411

Tritanomaly
47, 62.837, 32.943

Monochromacy



Original Color
47, 66.857, 40.432

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 22.665, 37.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.857, 40.432 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(197, 66, 40)` looks like.

```
.text, #text, p{  
    color:rgb(197, 66, 40)  
}
```

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(197, 66, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 66, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.857, 40.432 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(197, 66, 40) }
```

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

```
.border{ border-color:rgb(197, 66, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 66, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 66, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 66, 40);  
box-shadow:4px 4px 4px 4px rgb(197, 66,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.857, 40.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 66, 40) }
```

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

```
.background{ background-color: rgb(197, 66,  
40) }
```

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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