

Converting Colors

CIELCh(42, 42.149, 76.351)

Have a look what the booklet for
CIELCh(42, 42.149, 76.351) contains.

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Color

CIELCh(42, 42.165, 76.577)

Conversions

Conversions Part 1

Format	Color
Hex	835C1C
RGB	131, 92, 28
RGB Percent	51%, 36%, 11%
CMY	0.4873, 0.6401, 0.8911
CMYK	0.00, 0.30, 0.79, 0.49
HSL	37°, 65%, 31%
HSV	37°, 79%, 51%
XYZ	13.3317, 12.5000, 2.7934
YIQ	96.3650, 43.7880, -11.6360

Conversions

Conversions Part 2

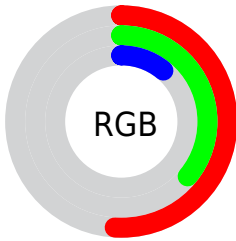
Format	Color
R_{YB}	91, 131, 28
Decimal	8608796
CIE _{Lab}	42.00, 9.79, 41.01
CIE _{LCh}	42, 42.165, 76.577
Yxy	12.5000, 0.4657, 0.4367
Android (android.graphics.Color)	4286798876 (0xFF835C1C)
YUV	96.3650, -33.7039, 30.3749
Hunter-Lab	35.3553, 5.4366, 20.0643

Details

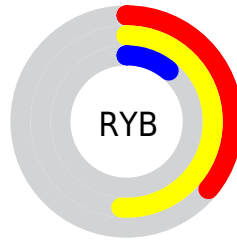
The CIELCh color **42, 42.165, 76.577** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **29, 41.399, 285.033**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 41.866, 76.649**, and **22, 33.371, 70.880** is the 20% darker color. If you saturate the color by 10%, you get **41, 46.398, 74.709**, and if you desaturate by 10%, it is **43, 37.105, 78.193**.

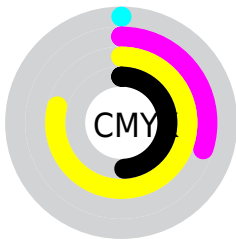
Distribution



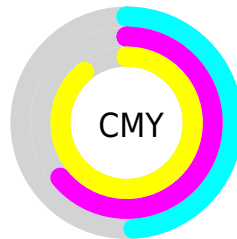
- Red (51%)
- Green (36%)
- Blue (11%)



- Red (36%)
- Yellow (51%)
- Blue (11%)



- Cyan (0%)
- Magenta (30%)
- Yellow (79%)
- Black (49%)



- Cyan (49%)
- Magenta (64%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 42.165, 76.577 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, 42.165, 76.577 by changing the saturation by 10% instead.

■ 42, 42.165, 76.577 ■ 42, 42.165, 76.577

■ 100, 42.165,
76.577 ■ 32, 42.165, 76.577

■ 62, 42.165, 76.577 ■ 22, 42.165, 76.577

■ 72, 42.165, 76.577 ■ 12, 42.165, 76.577

■ 82, 42.165, 76.577 ■ 2, 42.165, 76.577

■ 92, 42.165, 76.577 ■ 0, 42.165, 76.577

■ 42, 42.165, 76.577 ■ 42, 42.165, 76.577

■ 41, 46.398, 74.709 ■ 43, 37.105, 78.193

■ 39, 49.796, 72.631 ■ 45, 31.652, 79.671

■ 39, 50.267, 72.411

■ 47, 26.070, 81.074

■ 48, 20.505, 82.429

■ 50, 15.029, 83.747

■ 51, 9.677, 85.025

■ 53, 4.458, 86.250

■ 55, 0.626, 267.822

■ 57, 5.583, 268.701

Harmonies

Complementary

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



42, 42.165, 76.577



29, 41.399, 285.033

Rectangle

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



42, 42.165, 76.577



42, 42.165, 126.577



42, 42.165, 256.577



42, 42.165, 306.577

Sweetspot

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



42, 42.164, 76.580



65, 15.519, 84.290



29, 45.779, 3.207



33, 10.788, 83.893



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



42, 42.164, 76.580



51, 59.503, 72.787



52, 53.104, 109.654



27, 2.903, 86.206



39, 50.078, 72.428



0, 0.690, 87.350

Inverse Universe

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



29, 41.399, 285.033



33, 63.190, 291.854



20, 67.171, 304.564



26, 2.890, 268.560



23, 53.380, 292.676



0, 0.690, 267.359

Previews

White Background



This preview shows how the CIELCh color 42, 42.165, 76.577 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, 42.165, 76.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

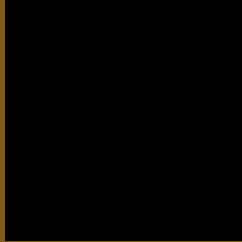
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 42.165, 76.577

Background



This preview shows how black text looks on a background with the CIELCh color 42, 42.165, 76.577.



This preview shows how white text looks on a background with the CIELCh color 42, 42.165, 76.577.

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, 42.165, 76.577

Protanopia

42, 39.753, 95.637

Deuteranopia

42, 41.413, 82.080



Tritanopia
42, 21.756, 13.269

Trichromacy



Original Color
42, 42.165, 76.577

Protanomaly
42, 40.116, 88.347

Deuteranomaly
42, 41.698, 79.983

Tritanomaly
42, 24.670, 48.843

Monochromacy



Original Color
42, 42.165, 76.577

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 15.607, 81.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 42.165, 76.577 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, 92, 28)` looks like.

```
.text, #text, p{  
    color:rgb(131, 92, 28)  
}
```

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, 92, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 92, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 42.165, 76.577 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, 92, 28) }
```

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

```
.border{ border-color:rgb(131, 92, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 92, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 92, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 92, 28);  
box-shadow:4px 4px 4px 4px rgb(131, 92,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 42.165, 76.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 92, 28) }
```

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

```
.background{ background-color: rgb(131, 92,  
28) }
```

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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