

Converting Colors

CIELCh(42, 86.498, 40.214)

Have a look what the booklet for
CIELCh(42, 86.498, 40.214) contains.

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Color

CIELCh(42, 86.327, 40.195)

Conversions

Conversions Part 1

Format	Color
Hex	C80901
RGB	200, 9, 1
RGB Percent	78%, 4%, 0%
CMY	0.2148, 0.9661, 0.9955
CMYK	0.00, 0.96, 0.99, 0.21
HSL	2°, 99%, 39%
HSV	2°, 99%, 79%
XYZ	23.9799, 12.5000, 1.1821
YIQ	65.1970, 116.4040, 38.0040

Conversions

Conversions Part 2

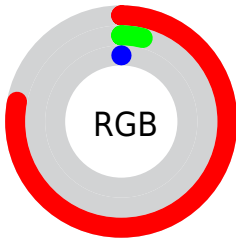
Format	Color
R_{YB}	200, 9, 1
Decimal	13109505
CIE _{Lab}	42.00, 65.94, 55.71
CIE _{LCh}	42, 86.327, 40.195
Yxy	12.5000, 0.6367, 0.3319
Android (android.graphics.Color)	4291299585 (0xFFC80901)
YUV	65.1970, -31.6491, 118.2222
Hunter-Lab	35.3553, 59.1963, 22.7664

Details

The CIELCh color **42, 86.327, 40.195** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **71, 39.648, 202.518**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 82.132, 40.421**, and **27, 64.073, 38.791** is the 20% darker color. If you saturate the color by 10%, you get **42, 86.657, 40.358**, and if you desaturate by 10%, it is **43, 80.260, 37.848**.

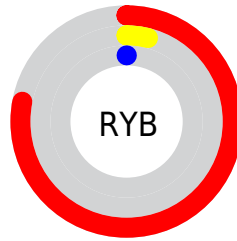
Distribution



Red (78%)

Green (4%)

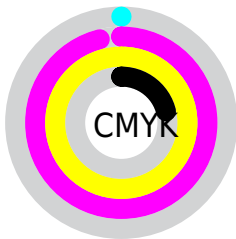
Blue (0%)



Red (78%)

Yellow (4%)

Blue (0%)

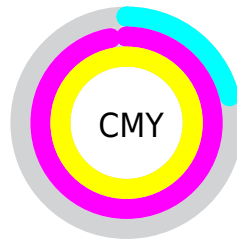


Cyan (0%)

Magenta (96%)

Yellow (99%)

Black (21%)



Cyan (21%)


Magenta (97%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 86.327, 40.195 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, 86.327, 40.195 by changing the saturation by 10% instead.

 42, 86.327, 40.195  42, 86.327, 40.195

 100, 86.327,
40.195  32, 86.327, 40.195

 62, 86.327, 40.195  22, 86.327, 40.195

 72, 86.327, 40.195  12, 86.327, 40.195

 82, 86.327, 40.195  2, 86.327, 40.195

 92, 86.327, 40.195  0, 86.327, 40.195

 42, 86.327, 40.195  42, 86.327, 40.195

 42, 86.657, 40.358  43, 80.260, 37.848

 45, 71.748, 34.867

■ 48, 62.056, 31.901

■ 51, 52.010, 29.377

■ 55, 42.037, 27.371

■ 60, 32.410, 25.827

■ 65, 23.297, 24.654

■ 70, 14.783, 23.762

■ 76, 6.889, 23.058

Harmonies

Complementary

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



42, 86.327, 40.195



71, 39.648, 202.518

Rectangle

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



42, 86.327, 40.195



42, 86.327, 90.195



42, 86.327, 220.195



42, 86.327, 270.195

Sweetspot

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



42, 86.324, 40.197



81, 29.019, 24.758



47, 93.734, 329.599



40, 20.123, 25.233



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 86.324, 40.197



53, 104.126, 40.264



55, 69.970, 63.329



39, 4.123, 23.056



34, 74.129, 40.276



4, 15.514, 21.405

Inverse Universe

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



71, 39.648, 202.518



88, 47.563, 202.641



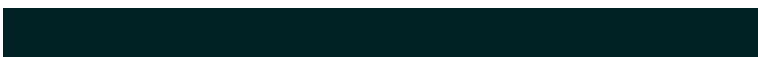
42, 64.266, 287.194



41, 3.884, 202.359



59, 34.108, 202.452



11, 12.471, 201.056

Previews

White Background



This preview shows how the CIELCh color 42, 86.327, 40.195 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, 86.327, 40.195 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, 86.327, 40.195

Background



This preview shows how black text looks on a background with the CIELCh color 42, 86.327, 40.195.



This preview shows how white text looks on a background with the CIELCh color 42, 86.327, 40.195.

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, 86.261, 40.243

Protanopia

43, 41.940, 95.114

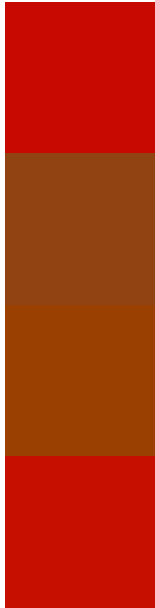
Deuteranopia

43, 50.232, 84.639



Tritanopia
42, 85.438, 40.963

Trichromacy



Original Color
42, 86.261, 40.243

Protanomaly
38, 52.135, 54.806

Deuteranomaly
39, 60.647, 54.755

Tritanomaly
42, 85.710, 40.759

Monochromacy



Original Color
42, 86.261, 40.243

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 34.858, 29.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 86.327, 40.195 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(200, 9, 1)` looks like.

```
.text, #text, p{  
    color:rgb(200, 9, 1)  
}
```

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(200, 9, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 9, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 86.327, 40.195 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(200, 9, 1) }
```

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

```
.border{ border-color:rgb(200, 9, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 9, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 9, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(200, 9, 1); box-shadow:4px  
4px 4px 4px rgb(200, 9, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 86.327, 40.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 9, 1) }
```

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

```
.background{ background-color: rgb(200, 9,  
1) }
```

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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