

Converting Colors

CIELCh(42, 67.551, 8.069)

Have a look what the booklet for
CIELCh(42, 67.551, 8.069) contains.

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Color

CIELCh(42, 67.404, 7.872)

Conversions

Conversions Part 1

Format	Color
Hex	C20E57
RGB	194, 14, 87
RGB Percent	76%, 5%, 34%
CMY	0.2387, 0.9437, 0.6584
CMYK	0.00, 0.93, 0.55, 0.24
HSL	336°, 86%, 41%
HSV	336°, 93%, 76%
XYZ	24.1688, 12.5000, 10.1782
YIQ	76.1420, 83.8470, 60.8630

Conversions

Conversions Part 2

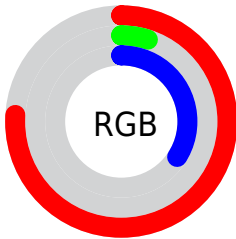
Format	Color
R_{YB}	194, 14, 87
Decimal	12717655
CIE _{Lab}	42.00, 66.77, 9.23
CIE _{LCh}	42, 67.404, 7.872
Yxy	12.5000, 0.5159, 0.2668
Android (android.graphics.Color)	4290907735 (0xFFC20E57)
YUV	76.1420, 5.3530, 103.3615
Hunter-Lab	35.3553, 60.1504, 7.6801

Details

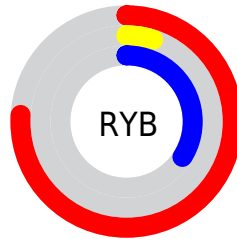
The CIELCh color **42, 67.404, 7.872** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **70, 62.702, 156.038**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.866, 7.954**, and **27, 53.285, 17.975** is the 20% darker color. If you saturate the color by 10%, you get **41, 69.045, 11.416**, and if you desaturate by 10%, it is **44, 64.276, 3.686**.

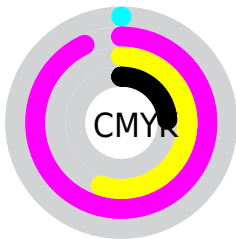
Distribution



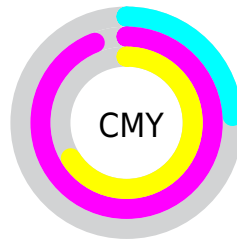
- Red (76%)
- Green (5%)
- Blue (34%)



- Red (76%)
- Yellow (5%)
- Blue (34%)



- Cyan (0%)
- Magenta (93%)
- Yellow (55%)
- Black (24%)



- Cyan (24%)
- Magenta (94%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 67.404, 7.872 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, 67.404, 7.872 by changing the saturation by 10% instead.

 42, 67.404, 7.872  42, 67.404, 7.872

 100, 67.404, 7.872  32, 67.404, 7.872

 62, 67.404, 7.872  22, 67.404, 7.872

 72, 67.404, 7.872  12, 67.404, 7.872

 82, 67.404, 7.872  2, 67.404, 7.872

 92, 67.404, 7.872  0, 67.404, 7.872

 42, 67.404, 7.872  42, 67.404, 7.872

 41, 69.045, 11.416  44, 64.276, 3.686

 46, 59.466, 0.364

 49, 53.080,

357.744

■ 53, 45.480,
355.653

■ 57, 37.102,
353.950

■ 62, 28.335,
352.529

■ 67, 19.474,
351.313

■ 72, 10.716,
350.244

■ 77, 2.183, 349.159

Harmonies

Complementary

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



42, 67.404, 7.872



70, 62.702, 156.038

Rectangle

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



42, 67.404, 7.872



42, 67.404, 57.872



42, 67.404, 187.872



42, 67.404, 237.872

Sweetspot

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



42, 67.401, 7.874



81, 30.029, 352.001



34, 97.008, 314.374



41, 20.966, 352.560



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, 67.401, 7.874



54, 84.273, 12.331



42, 79.455, 39.518



38, 4.789, 349.918



34, 59.930, 10.612



3, 15.127, 357.899

Inverse Universe

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



42, 67.401, 7.874



54, 84.273, 12.331



67, 36.613, 209.959



38, 4.789, 349.918



34, 59.930, 10.612



3, 15.127, 357.899

Previews

White Background



This preview shows how the CIELCh color 42, 67.404, 7.872 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 CIE LCh color 42, 67.404, 7.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

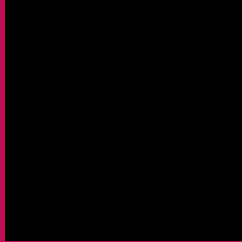
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 67.404, 7.872

Background



This preview shows how black text looks on a background with the CIELCh color 42, 67.404, 7.872.



This preview shows how white text looks on a background with the CIELCh color 42, 67.404, 7.872.

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





Tritanopia
42, 71.826, 34.409

Trichromacy



Original Color
42, 67.404, 7.872

Protanomaly
38, 34.795, 338.831

Deuteranomaly
39, 35.587, 11.591

Tritanomaly
42, 68.732, 25.226

Monochromacy



Original Color
42, 67.404, 7.872

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 31.612, 355.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 67.404, 7.872 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(194, 14, 87)` looks like.

```
.text, #text, p{  
    color:rgb(194, 14, 87)  
}
```

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(194, 14, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 14, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 67.404, 7.872 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(194, 14, 87) }
```

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

```
.border{ border-color:rgb(194, 14, 87) }
```

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

Here you see how a box with a 4 pixel rgb(194, 14, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 14, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 14, 87);  
box-shadow:4px 4px 4px 4px rgb(194, 14,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 67.404, 7.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 14, 87) }
```

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

```
.background{ background-color: rgb(194, 14,  
87) }
```

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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