

Converting Colors

CIELCh(42, 63.106, 10.350)

Have a look what the booklet for
CIELCh(42, 63.106, 10.350) contains.

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Color

CIELCh(42, 63.067, 10.065)

Conversions

Conversions Part 1

Format	Color
Hex	BD2054
RGB	189, 32, 84
RGB Percent	74%, 13%, 33%
CMY	0.2587, 0.8743, 0.6705
CMYK	0.00, 0.83, 0.56, 0.26
HSL	340°, 71%, 43%
HSV	340°, 83%, 74%
XYZ	23.1150, 12.5000, 9.5878
YIQ	84.8710, 76.8800, 49.4560

Conversions

Conversions Part 2

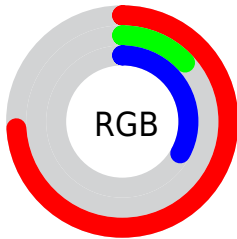
Format	Color
RYB	189, 32, 84
Decimal	12394580
CIELab	42.00, 62.10, 11.02
CIELCh	42, 63.067, 10.065
Yxy	12.5000, 0.5114, 0.2765
Android (android.graphics.Color)	4290584660 (0xFFBD2054)
YUV	84.8710, -0.4294, 91.3211
Hunter-Lab	35.3553, 54.8301, 8.6702

Details

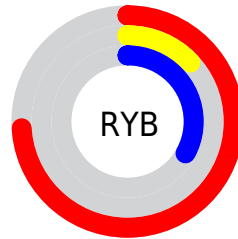
The CIELCh color **42, 63.067, 10.065** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **68, 53.114, 162.998**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 63.314, 10.142**, and **26, 52.195, 18.309** is the 20% darker color. If you saturate the color by 10%, you get **41, 66.870, 14.751**, and if you desaturate by 10%, it is **44, 57.874, 6.298**.

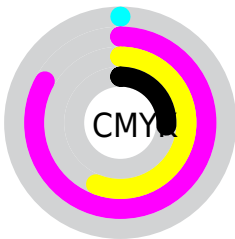
Distribution



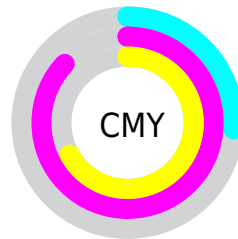
- Red (74%)
- Green (13%)
- Blue (33%)



- Red (74%)
- Yellow (13%)
- Blue (33%)



- Cyan (0%)
- Magenta (83%)
- Yellow (56%)
- Black (26%)



- Cyan (26%)
- Magenta (87%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 63.067, 10.065 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, 63.067, 10.065 by changing the saturation by 10% instead.

 42, 63.067, 10.065  42, 63.067, 10.065

 100, 63.067,
10.065  32, 63.067, 10.065


 62, 63.067, 10.065  22, 63.067, 10.065

 72, 63.067, 10.065  12, 63.067, 10.065

 82, 63.067, 10.065  2, 63.067, 10.065

 92, 63.067, 10.065  0, 63.067, 10.065

 42, 63.067, 10.065  42, 63.067, 10.065

 41, 66.870, 14.751  44, 57.874, 6.298

 40, 69.103, 18.358  47, 51.353, 3.320

■ 51, 43.810, 0.960

■ 55, 35.636,
359.061

■ 60, 27.184,
357.501

■ 65, 18.719,
356.187

■ 70, 10.419,
355.050

■ 75, 2.385, 353.932

■ 80, 5.333, 173.344

Harmonies

Complementary

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



42, 63.067, 10.065



68, 53.114, 162.998

Rectangle

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



42, 63.067, 10.065



42, 63.067, 60.065



42, 63.067, 190.065



42, 63.067, 240.065

Sweetspot

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



42, 63.064, 10.067



81, 25.145, 356.479



38, 88.883, 317.140



41, 17.227, 356.933



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



42, 63.064, 10.067



52, 84.278, 19.352



44, 67.623, 40.911



37, 4.491, 354.659



33, 60.336, 17.522



3, 12.967, 1.043

Inverse Universe

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



42, 63.064, 10.067



52, 84.278, 19.352



62, 33.444, 223.497



37, 4.491, 354.659



33, 60.336, 17.522



3, 12.967, 1.043

Previews

White Background



This preview shows how the CIELCh color 42, 63.067, 10.065 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, 63.067, 10.065 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, 63.067, 10.065

Background



This preview shows how black text looks on a background with the CIELCh color 42, 63.067, 10.065.



This preview shows how white text looks on a background with the CIELCh color 42, 63.067, 10.065.

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, 63.067, 10.065

Protanopia

43, 10.289, 285.233

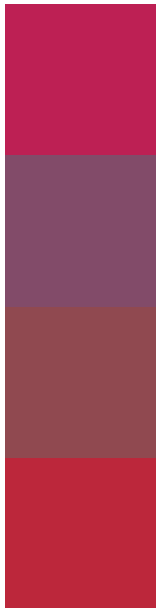
Deuteranopia

42, 15.382, 67.456



Tritanopia
42, 66.547, 32.236

Trichromacy



Original Color
42, 63.067, 10.065

Protanomaly
39, 28.623, 345.111

Deuteranomaly
40, 32.119, 17.452

Tritanomaly
42, 64.197, 24.426

Monochromacy



Original Color
42, 63.067, 10.065

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 27.038, 359.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 63.067, 10.065 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(189, 32, 84)` looks like.

```
.text, #text, p{  
    color:rgb(189, 32, 84)  
}
```

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(189, 32, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 32, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 63.067, 10.065 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(189, 32, 84) }
```

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

```
.border{ border-color:rgb(189, 32, 84) }
```

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

Here you see how a box with a 4 pixel rgb(189, 32, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 32, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 32, 84);  
box-shadow:4px 4px 4px 4px rgb(189, 32,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 63.067, 10.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 32, 84) }
```

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

```
.background{ background-color: rgb(189, 32,  
84) }
```

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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