

Converting Colors

CIELCh(42, 64.945, 0.770)

Have a look what the booklet for
CIELCh(42, 64.945, 0.770) contains.

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Color

CIELCh(42, 64.860, 0.717)

Conversions

Conversions Part 1

Format	Color
Hex	BD1A64
RGB	189, 26, 100
RGB Percent	74%, 10%, 39%
CMY	0.2576, 0.8999, 0.6069
CMYK	0.00, 0.87, 0.47, 0.26
HSL	333°, 76%, 42%
HSV	333°, 87%, 74%
XYZ	23.7334, 12.5000, 13.2817
YIQ	83.1730, 73.3940, 57.5700

Conversions

Conversions Part 2

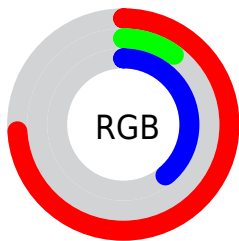
Format	Color
R_{YB}	189, 26, 100
Decimal	12393060
CIE _{Lab}	42.00, 64.85, 0.81
CIE _{LCh}	42, 64.860, 0.717
Yxy	12.5000, 0.4793, 0.2524
Android (android.graphics.Color)	4290583140 (0xFFBD1A64)
YUV	83.1730, 8.2957, 92.8103
Hunter-Lab	35.3553, 57.9520, 2.4757

Details

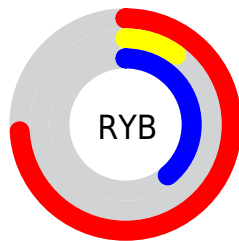
The CIELCh color **42, 64.860, 0.717** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **68, 62.377, 154.374**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 64.567, 0.630**, and **27, 50.950, 8.188** is the 20% darker color. If you saturate the color by 10%, you get **41, 66.893, 4.787**, and if you desaturate by 10%, it is **44, 61.091, 357.470**.

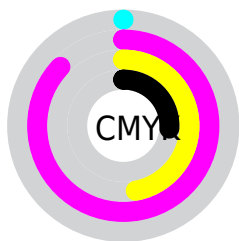
Distribution



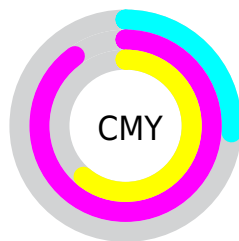
- Red (74%)
- Green (10%)
- Blue (39%)



- Red (74%)
- Yellow (10%)
- Blue (39%)



- Cyan (0%)
- Magenta (87%)
- Yellow (47%)
- Black (26%)



- Cyan (26%)
- Magenta (90%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 64.860, 0.717 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, 64.860, 0.717 by changing the saturation by 10% instead.

 42, 64.860, 0.717  42, 64.860, 0.717

 100, 64.860, 0.717  32, 64.860, 0.717


 62, 64.860, 0.717  22, 64.860, 0.717


 72, 64.860, 0.717  12, 64.860, 0.717

 82, 64.860, 0.717  2, 64.860, 0.717

 92, 64.860, 0.717  0, 64.860, 0.717

 42, 64.860, 0.717  42, 64.860, 0.717

 41, 66.893, 4.787  44, 61.091,
357.470

 40, 67.484, 6.291  47, 55.560,
354.905

■ 50, 48.574,
352.856

■ 54, 40.571,
351.183

■ 59, 31.976,
349.784

■ 63, 23.128,
348.584

■ 68, 14.271,
347.530

■ 73, 5.561, 346.559

■ 79, 2.912, 165.938

Harmonies

Complementary

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



42, 64.860, 0.717



68, 62.377, 154.374

Rectangle

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



42, 64.860, 0.717



42, 64.860, 50.717



42, 64.860, 180.717



42, 64.860, 230.717

Sweetspot

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



42, 64.857, 0.718



81, 28.174, 348.574



34, 92.663, 313.331



41, 19.295, 348.975



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 64.857, 0.718



53, 82.501, 7.161



41, 74.645, 36.827



37, 4.839, 346.833



33, 59.072, 5.583



3, 13.632, 354.156

Inverse Universe

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



42, 64.857, 0.718



53, 82.501, 7.161



68, 37.443, 201.227



37, 4.839, 346.833



33, 59.072, 5.583



3, 13.632, 354.156

Previews

White Background



This preview shows how the CIELCh color 42, 64.860, 0.717 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, 64.860, 0.717 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, 64.860, 0.717

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.860, 0.717.

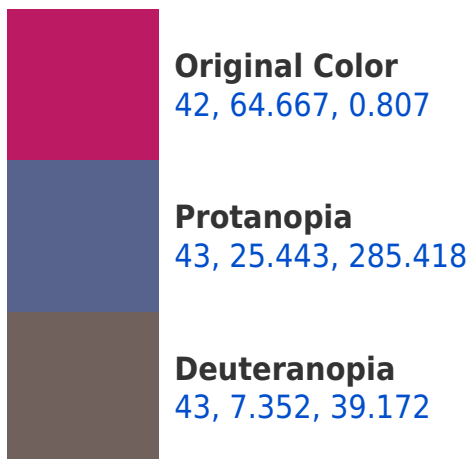


This preview shows how white text looks on a background with the CIELCh color 42, 64.860, 0.717.

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](#).

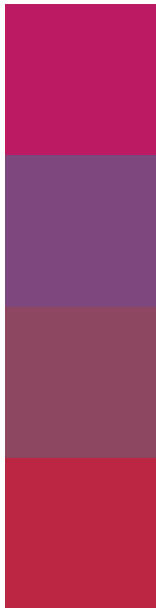
Dichromacy





Tritanopia
42, 65.602, 31.850

Trichromacy



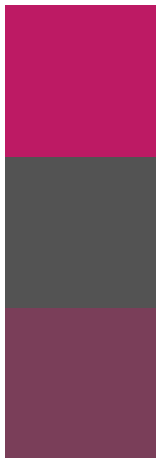
Original Color
42, 64.667, 0.807

Protanomaly
39, 37.985, 326.084

Deuteranomaly
40, 32.627, 358.189

Tritanomaly
42, 63.156, 20.620

Monochromacy



Original Color
42, 64.667, 0.807

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 29.842, 351.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.860, 0.717 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, 26, 100)` looks like.

```
.text, #text, p{  
  color:rgb(189, 26, 100)  
}
```

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, 26, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 26, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.860, 0.717 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, 26, 100) }
```

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

```
.border{ border-color:rgb(189, 26, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 26, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 26, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 26, 100);  
box-shadow:4px 4px 4px 4px rgb(189, 26,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.860, 0.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 26, 100) }
```

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

```
.background{ background-color: rgb(189, 26,  
100) }
```

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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