

Converting Colors

CIELCh(42, 69.393, 4.671)

Have a look what the booklet for
CIELCh(42, 69.393, 4.671) contains.

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Color

CIELCh(42, 69.302, 4.646)

Conversions

Conversions Part 1

Format	Color
Hex	C4005D
RGB	196, 0, 93
RGB Percent	77%, 0%, 36%
CMY	0.2319, 1.0000, 0.6357
CMYK	0.00, 1.00, 0.53, 0.23
HSL	332°, 100%, 38%
HSV	332°, 100%, 77%
XYZ	24.7004, 12.5000, 11.4446
YIQ	69.2060, 86.9630, 70.4750

Conversions

Conversions Part 2

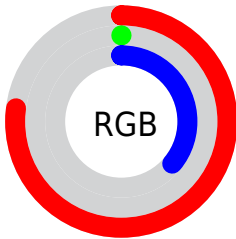
Format	Color
RYB	196, 0, 93
Decimal	12845149
CIELab	42.00, 69.07, 5.61
CIElCh	42, 69.302, 4.646
Yxy	12.5000, 0.5078, 0.2570
Android (android.graphics.Color)	4291035229 (0xFFC4005D)
YUV	69.2060, 11.7304, 111.1983
Hunter-Lab	35.3553, 62.8341, 5.5564

Details

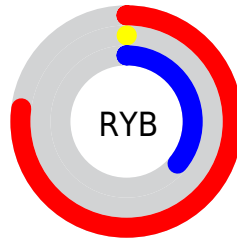
The CIELCh color **42, 69.302, 4.646** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **70, 71.215, 150.372**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.179, 4.070**, and **28, 53.202, 14.385** is the 20% darker color. If you saturate the color by 10%, you get **42, 69.268, 4.662**, and if you desaturate by 10%, it is **43, 67.698, 0.543**.

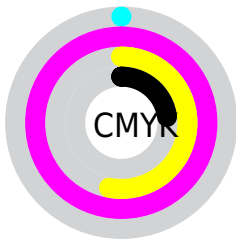
Distribution



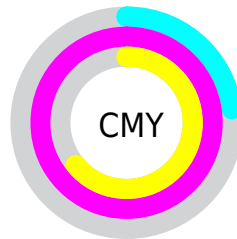
- Red (77%)
- Green (0%)
- Blue (36%)



- Red (77%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (23%)



- Cyan (23%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 69.302, 4.646 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, 69.302, 4.646 by changing the saturation by 10% instead.

 42, 69.302, 4.646  42, 69.302, 4.646

 100, 69.302, 4.646  32, 69.302, 4.646


 62, 69.302, 4.646  22, 69.302, 4.646


 72, 69.302, 4.646  12, 69.302, 4.646

 82, 69.302, 4.646  2, 69.302, 4.646

 92, 69.302, 4.646  0, 69.302, 4.646

 42, 69.302, 4.646  42, 69.302, 4.646

 42, 69.268, 4.662  43, 67.698, 0.543

 45, 64.626,
357.144

■ 47, 59.637,
354.461

■ 51, 52.966,
352.325

■ 55, 45.047,
350.591

■ 59, 36.339,
349.148

■ 64, 27.237,
347.915

■ 69, 18.030,
346.838

■ 74, 8.913, 345.866

Harmonies

Complementary

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



42, 69.302, 4.646



70, 71.215, 150.372

Rectangle

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



42, 69.302, 4.646



42, 69.302, 54.646



42, 69.302, 184.646



42, 69.302, 234.646

Sweetspot

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



42, 69.268, 4.662



81, 33.748, 347.970



31, 101.990, 312.237



40, 23.049, 348.479



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, 69.268, 4.662



55, 84.443, 5.464



41, 85.517, 40.163



38, 5.005, 345.806



34, 59.838, 3.929



3, 15.616, 353.866

Inverse Universe

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



42, 69.268, 4.662



55, 84.443, 5.464



71, 40.130, 199.023



38, 5.005, 345.806



34, 59.838, 3.929



3, 15.616, 353.866

Previews

White Background



This preview shows how the CIELCh color 42, 69.302, 4.646 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, 69.302, 4.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

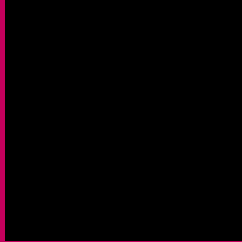
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 69.302, 4.646

Background



This preview shows how black text looks on a background with the CIELCh color 42, 69.302, 4.646.



This preview shows how white text looks on a background with the CIELCh color 42, 69.302, 4.646.

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, 69.302, 4.646

Protanopia

43, 21.166, 285.563

Deuteranopia

43, 11.604, 61.960



Tritanopia
42, 71.936, 34.087

Trichromacy



Original Color
42, 69.302, 4.646

Protanomaly
37, 41.317, 331.926

Deuteranomaly
38, 38.200, 3.295

Tritanomaly
42, 69.420, 23.765

Monochromacy



Original Color
42, 69.302, 4.646

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 35.438, 351.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 69.302, 4.646 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(196, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 93)  
}
```

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(196, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 69.302, 4.646 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(196, 0, 93) }
```

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

```
.border{ border-color:rgb(196, 0, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 69.302, 4.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 93) }
```

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

```
.background{ background-color: rgb(196, 0,  
93) }
```

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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