

Converting Colors

CIELCh(42, 77.036, 44.725)

Have a look what the booklet for
CIELCh(42, 77.036, 44.725) contains.

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Color

CIELCh(42, 76.977, 44.684)

Conversions

Conversions Part 1

Format	Color
Hex	BB2D01
RGB	187, 45, 1
RGB Percent	73%, 18%, 0%
CMY	0.2656, 0.8224, 0.9952
CMYK	0.00, 0.76, 0.99, 0.27
HSL	14°, 99%, 37%
HSV	14°, 99%, 73%
XYZ	21.5167, 12.5000, 1.3136
YIQ	82.4420, 98.7560, 16.4200

Conversions

Conversions Part 2

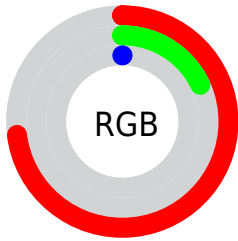
Format	Color
RYB	187, 59, 1
Decimal	12266753
CIELab	42.00, 54.73, 54.13
CIElCh	42, 76.977, 44.684
Yxy	12.5000, 0.6090, 0.3538
Android (android.graphics.Color)	4290456833 (0xFFBB2D01)
YUV	82.4420, -40.1509, 91.6974
Hunter-Lab	35.3553, 46.7604, 22.5459

Details

The CIELCh color **42, 76.977, 44.684** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **55, 35.712, 243.269**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 76.696, 44.651**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **42, 77.432, 44.722**, and if you desaturate by 10%, it is **44, 70.018, 44.804**.

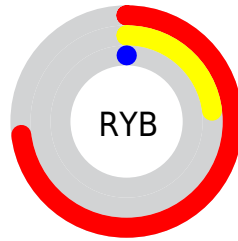
Distribution



Red (73%)

Green (18%)

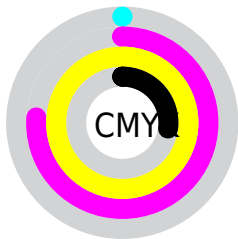
Blue (0%)



Red (73%)

Yellow (23%)

Blue (0%)

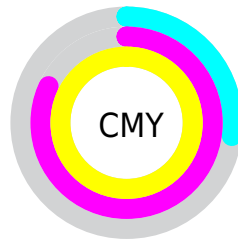


Cyan (0%)

Magenta (76%)

Yellow (99%)

Black (27%)



Cyan (27%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 76.977, 44.684 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, 76.977, 44.684 by changing the saturation by 10% instead.

42, 76.977, 44.684

42, 76.977, 44.684

100, 76.977,
44.684

32, 76.977, 44.684

62, 76.977, 44.684

22, 76.977, 44.684

72, 76.977, 44.684

12, 76.977, 44.684

82, 76.977, 44.684

2, 76.977, 44.684

92, 76.977, 44.684

0, 76.977, 44.684

42, 76.977, 44.684

42, 76.977, 44.684

42, 77.432, 44.722

44, 70.018, 44.804

46, 61.512, 44.458

■ 49, 52.378, 43.895

■ 53, 43.330, 43.410

■ 56, 34.683, 43.099

■ 60, 26.566, 42.971

■ 64, 19.021, 43.006

■ 68, 12.040, 43.168

■ 72, 5.589, 43.404

Harmonies

Complementary

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



42, 76.977, 44.684



55, 35.712, 243.269

Rectangle

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



42, 76.977, 44.684



42, 76.977, 94.684



42, 76.977, 224.684



42, 76.977, 274.684

Sweetspot

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



42, 76.974, 44.686



80, 24.075, 42.995



42, 76.523, 340.186



41, 16.849, 42.969



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, 76.974, 44.686



54, 94.465, 44.283



60, 65.996, 81.986



38, 3.408, 43.404



35, 67.978, 45.068



4, 10.613, 35.386

Inverse Universe

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



55, 35.712, 243.269



70, 43.586, 244.343



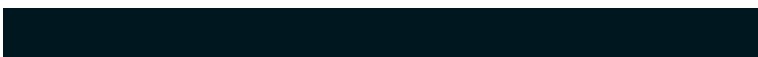
29, 85.075, 299.755



39, 3.225, 224.351



47, 31.492, 242.905



7, 9.470, 235.076

Previews

White Background



This preview shows how the CIELCh color 42, 76.977, 44.684 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, 76.977, 44.684 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, 76.977, 44.684

Background



This preview shows how black text looks on a background with the CIELCh color 42, 76.977, 44.684.



This preview shows how white text looks on a background with the CIELCh color 42, 76.977, 44.684.

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, 76.977, 44.684

Protanopia

43, 43.385, 95.830

Deuteranopia

42, 49.917, 84.486



Tritanopia
42, 67.414, 32.487

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 76.977, 44.684 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(187, 45, 1)` looks like.

```
.text, #text, p{  
    color:rgb(187, 45, 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(187, 45, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 45, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 76.977, 44.684 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(187, 45, 1) }
```

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

```
.border{ border-color:rgb(187, 45, 1) }
```

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

Here you see how a box with a 4 pixel rgb(187, 45, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 45, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 45, 1);  
box-shadow:4px 4px 4px 4px rgb(187, 45, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 76.977, 44.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 45, 1) }
```

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

```
.background{ background-color: rgb(187, 45,  
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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