

Converting Colors

CIELCh(42, 79.619, 43.790)

Have a look what the booklet for
CIELCh(42, 79.619, 43.790) contains.

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Color

CIELCh(42, 79.593, 43.741)

Conversions

Conversions Part 1

Format	Color
Hex	BF2800
RGB	191, 40, 0
RGB Percent	75%, 16%, 0%
CMY	0.2528, 0.8450, 1.0000
CMYK	0.00, 0.79, 1.00, 0.25
HSL	12°, 100%, 37%
HSV	12°, 100%, 75%
XYZ	22.1095, 12.5000, 1.2377
YIQ	80.5890, 102.8360, 19.5720

Conversions

Conversions Part 2

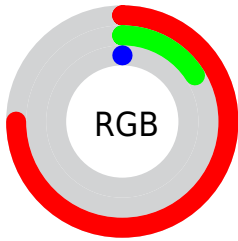
Format	Color
R_{YB}	191, 51, 0
Decimal	12527616
CIE _{Lab}	42.00, 57.50, 55.03
CIE _{LCh}	42, 79.593, 43.741
Yxy	12.5000, 0.6168, 0.3487
Android (android.graphics.Color)	4290717696 (0xFFBF2800)
YUV	80.5890, -39.7304, 96.8304
Hunter-Lab	35.3553, 49.7535, 22.6731

Details

The CIELCh color **42, 79.593, 43.741** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **58, 35.441, 237.277**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 79.180, 43.721**, and **26, 61.301, 38.379** is the 20% darker color. If you saturate the color by 10%, you get **42, 79.513, 43.681**, and if you desaturate by 10%, it is **44, 72.554, 43.418**.

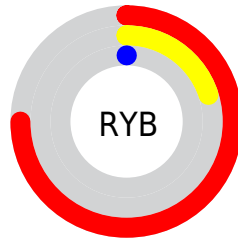
Distribution



Red (75%)

Green (16%)

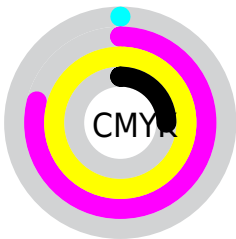
Blue (0%)



Red (75%)

Yellow (20%)

Blue (0%)

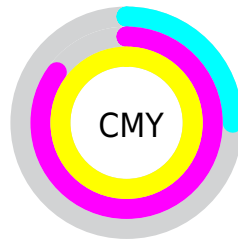


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 79.593, 43.741 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, 79.593, 43.741 by changing the saturation by 10% instead.

42, 79.593, 43.741

42, 79.593, 43.741

100, 79.593,
43.741

32, 79.593, 43.741

62, 79.593, 43.741

22, 79.593, 43.741

72, 79.593, 43.741

12, 79.593, 43.741

82, 79.593, 43.741

2, 79.593, 43.741

92, 79.593, 43.741

0, 79.593, 43.741

42, 79.593, 43.741

42, 79.593, 43.741

42, 79.513, 43.681

44, 72.554, 43.418

46, 63.940, 42.737



Harmonies

Complementary

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



42, 79.593, 43.741



58, 35.441, 237.277

Rectangle

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



42, 79.593, 43.741



42, 79.593, 93.741



42, 79.593, 223.741



42, 79.593, 273.741

Sweetspot

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



42, 79.513, 43.681



81, 24.872, 39.970



43, 79.460, 338.182



41, 17.413, 40.022



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, 79.513, 43.681



54, 97.253, 43.291



60, 66.528, 78.722



38, 3.457, 40.044



35, 68.867, 43.991



4, 10.766, 33.155

Inverse Universe

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



58, 35.441, 237.277



74, 43.207, 237.999



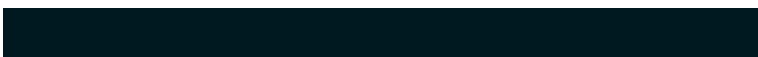
31, 82.862, 298.428



39, 3.265, 220.732



49, 30.818, 236.651



7, 9.483, 229.953

Previews

White Background



This preview shows how the CIELCh color 42, 79.593, 43.741 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, 79.593, 43.741 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, 79.593, 43.741

Background



This preview shows how black text looks on a background with the CIELCh color 42, 79.593, 43.741.



This preview shows how white text looks on a background with the CIELCh color 42, 79.593, 43.741.

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, 79.593, 43.741

Protanopia

43, 43.016, 95.821

Deuteranopia

42, 50.101, 83.948



Tritanopia
42, 71.159, 33.994

Trichromacy



Original Color
42, 79.593, 43.741

Protanomaly
40, 49.706, 64.287

Deuteranomaly
40, 57.193, 61.258

Tritanomaly
42, 74.586, 38.470

Monochromacy



Original Color
42, 79.593, 43.741

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 29.287, 40.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 79.593, 43.741 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(191, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 40, 0)  
}
```

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(191, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 40, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 79.593, 43.741 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(191, 40, 0) }
```

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

```
.border{ border-color:rgb(191, 40, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 40, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 79.593, 43.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 40, 0) }
```

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

```
.background{ background-color: rgb(191, 40,  
0) }
```

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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