

Converting Colors

CIELCh(42, 64.066, 11.989)

Have a look what the booklet for
CIELCh(42, 64.066, 11.989) contains.

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Color

CIELCh(42, 63.983, 12.177)

Conversions

Conversions Part 1

Format	Color
Hex	BE1E50
RGB	190, 30, 80
RGB Percent	75%, 12%, 31%
CMY	0.2541, 0.8811, 0.6856
CMYK	0.00, 0.84, 0.58, 0.25
HSL	341°, 73%, 43%
HSV	341°, 84%, 75%
XYZ	23.2145, 12.5000, 8.8100
YIQ	83.5400, 79.3100, 49.4700

Conversions

Conversions Part 2

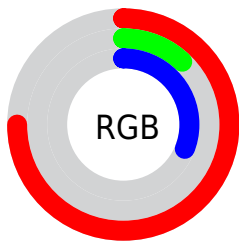
Format	Color
R _Y B	190, 30, 80
Decimal	12459600
CIE Lab	42.00, 62.54, 13.50
CIE LCh	42, 63.983, 12.177
Yxy	12.5000, 0.5214, 0.2807
Android (android.graphics.Color)	4290649680 (0xFFBE1E50)
YUV	83.5400, -1.7452, 93.3654
Hunter-Lab	35.3553, 55.3322, 9.9745

Details

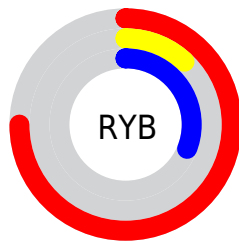
The CIELCh color **42, 63.983, 12.177** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **69, 52.628, 164.197**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 64.109, 12.033**, and **26, 52.887, 21.075** is the 20% darker color. If you saturate the color by 10%, you get **41, 67.917, 17.055**, and if you desaturate by 10%, it is **44, 58.738, 8.221**.

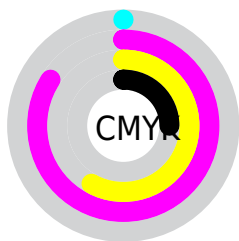
Distribution



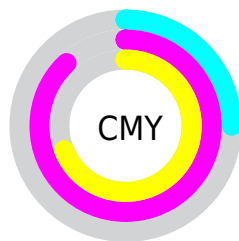
- Red (75%)
- Green (12%)
- Blue (31%)



- Red (75%)
- Yellow (12%)
- Blue (31%)



- Cyan (0%)
- Magenta (84%)
- Yellow (58%)
- Black (25%)



- Cyan (25%)
- Magenta (88%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 63.983, 12.177 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, 63.983, 12.177 by changing the saturation by 10% instead.

 42, 63.983, 12.177

 42, 63.983, 12.177

 100, 63.983,
12.177

 32, 63.983, 12.177

 62, 63.983, 12.177

 22, 63.983, 12.177

 72, 63.983, 12.177

 12, 63.983, 12.177

 82, 63.983, 12.177

 2, 63.983, 12.177

 92, 63.983, 12.177

 0, 63.983, 12.177

 42, 63.983, 12.177

 42, 63.983, 12.177

 41, 67.917, 17.055

 44, 58.738, 8.221

 40, 70.003, 20.170

 47, 52.200, 5.087

■ 51, 44.646, 2.607

■ 55, 36.458, 0.621

■ 60, 27.990,
358.999

■ 65, 19.513,
357.642

■ 70, 11.207,
356.476

■ 75, 3.176, 355.378

■ 80, 4.528, 174.748

Harmonies

Complementary

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



42, 63.983, 12.177



69, 52.628, 164.197

Rectangle

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



42, 63.983, 12.177



42, 63.983, 62.177



42, 63.983, 192.177



42, 63.983, 242.177

Sweetspot

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



42, 63.980, 12.179



81, 25.145, 357.811



38, 89.799, 317.610



41, 17.383, 358.278



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, 63.980, 12.179



52, 85.718, 21.180



45, 68.320, 41.846



37, 4.446, 355.969



33, 60.796, 19.298



3, 12.891, 2.043

Inverse Universe

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



42, 63.980, 12.179



52, 85.718, 21.180



61, 33.653, 226.906



37, 4.446, 355.969



33, 60.796, 19.298



3, 12.891, 2.043

Previews

White Background



This preview shows how the CIELCh color 42, 63.983, 12.177 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, 63.983, 12.177 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, 63.983, 12.177

Background



This preview shows how black text looks on a background with the CIELCh color 42, 63.983, 12.177.



This preview shows how white text looks on a background with the CIELCh color 42, 63.983, 12.177.

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, 63.983, 12.177

Protanopia

43, 7.240, 288.115

Deuteranopia

42, 17.634, 70.825



Tritanopia
42, 68.275, 32.736

Trichromacy



Original Color
42, 63.983, 12.177

Protanomaly
39, 27.893, 351.628

Deuteranomaly
40, 33.343, 20.943

Tritanomaly
42, 65.604, 25.623

Monochromacy



Original Color
42, 63.983, 12.177

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 27.890, 0.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 63.983, 12.177 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(190, 30, 80)` looks like.

```
.text, #text, p{  
    color:rgb(190, 30, 80)  
}
```

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(190, 30, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 30, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 63.983, 12.177 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(190, 30, 80) }
```

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

```
.border{ border-color:rgb(190, 30, 80) }
```

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

Here you see how a box with a 4 pixel rgb(190, 30, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 30, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 30, 80);  
box-shadow:4px 4px 4px 4px rgb(190, 30,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 63.983, 12.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 30, 80) }
```

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

```
.background{ background-color: rgb(190, 30,  
80) }
```

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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