

Converting Colors

CIELCh(45, 61.211, 37.939)

Have a look what the booklet for
CIELCh(45, 61.211, 37.939) contains.

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Color

CIELCh(45, 61.085, 38.078)

Conversions

Conversions Part 1

Format	Color
Hex	BB412E
RGB	187, 65, 46
RGB Percent	73%, 25%, 18%
CMY	0.2667, 0.7451, 0.8196
CMYK	0.00, 0.65, 0.75, 0.27
HSL	8°, 61%, 46%
HSV	8°, 75%, 73%
XYZ	22.8757, 14.5417, 4.1857
YIQ	99.3120, 78.8110, 19.9550

Conversions

Conversions Part 2

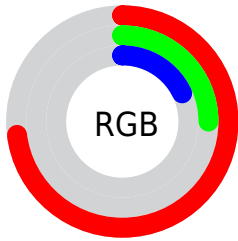
Format	Color
RYB	187, 68, 46
Decimal	12271918
CIELab	45.00, 48.08, 37.67
CIElCh	45, 61.085, 38.078
Yxy	14.5417, 0.5499, 0.3495
Android (android.graphics.Color)	4290461998 (0xFFBB412E)
YUV	99.3120, -26.2828, 76.9024
Hunter-Lab	38.1336, 40.3453, 20.1856

Details

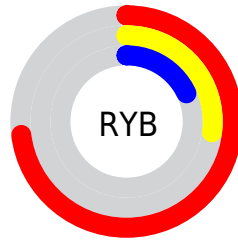
The CIELCh color **45, 61.085, 38.078** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **63, 32.464, 216.349**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.912, 38.343**, and **25, 60.499, 38.246** is the 20% darker color. If you saturate the color by 10%, you get **43, 70.112, 39.845**, and if you desaturate by 10%, it is **48, 51.639, 36.411**.

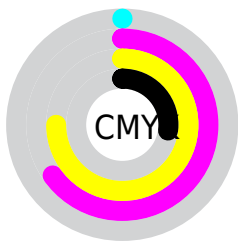
Distribution



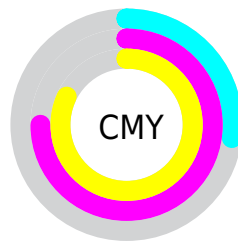
- Red (73%)
- Green (25%)
- Blue (18%)



- Red (73%)
- Yellow (27%)
- Blue (18%)



- Cyan (0%)
- Magenta (65%)
- Yellow (75%)
- Black (27%)





















- Cyan (27%)
- Magenta (75%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 61.085, 38.078 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 45, 61.085, 38.078 by changing the saturation by 10% instead.

 45, 61.085, 38.078	 45, 61.085, 38.078
 100, 61.085, 38.078	 35, 61.085, 38.078
 65, 61.085, 38.078	 25, 61.085, 38.078
 75, 61.085, 38.078	 15, 61.085, 38.078
 85, 61.085, 38.078	 5, 61.085, 38.078
 95, 61.085, 38.078	 0, 61.085, 38.078

 45, 61.085, 38.078	 45, 61.085, 38.078
 43, 70.112, 39.845	 48, 51.639, 36.411
 41, 77.542, 41.120	 52, 42.330, 35.040

40, 80.521, 41.807

56, 33.420, 33.997

60, 25.040, 33.244

64, 17.242, 32.726

69, 10.029, 32.384

73, 3.375, 32.106

78, 2.763, 212.387

83, 8.435, 212.275

Harmonies

Complementary

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



45, 61.085, 38.078



63, 32.464, 216.349

Rectangle

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



45, 61.085, 38.078



45, 61.085, 88.078



45, 61.085, 218.078



45, 61.085, 268.078

Sweetspot

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



45, 61.083, 38.081



82, 19.104, 32.644



46, 75.473, 332.836



42, 13.533, 32.795



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



45, 61.083, 38.081



54, 90.976, 40.731



60, 54.343, 77.801



37, 3.626, 32.228



34, 70.703, 41.889



3, 11.209, 27.936

Inverse Universe

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



63, 32.464, 216.349



79, 41.646, 219.400



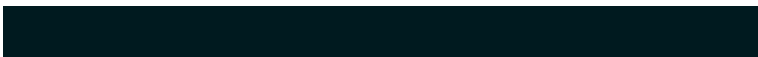
43, 54.039, 285.534



39, 3.416, 212.285



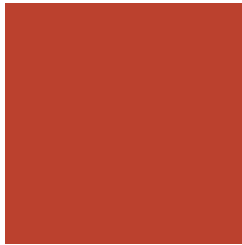
52, 30.635, 221.066



8, 9.867, 217.016

Previews

White Background



This preview shows how the CIELCh color 45, 61.085, 38.078 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 45, 61.085, 38.078 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 45, 61.085, 38.078

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.085, 38.078.



This preview shows how white text looks on a background with the CIELCh color 45, 61.085, 38.078.

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

45, 61.085, 38.078

Protanopia

45, 28.460, 95.613

Deuteranopia

45, 40.158, 81.624



Tritanopia
45, 57.034, 27.227

Trichromacy



Original Color
45, 61.085, 38.078

Protanomaly
44, 34.588, 60.736

Deuteranomaly
44, 44.051, 59.714

Tritanomaly
45, 58.387, 31.281

Monochromacy



Original Color
45, 61.085, 38.078

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 20.757, 33.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.085, 38.078 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, 65, 46)` looks like.

```
.text, #text, p{  
    color:rgb(187, 65, 46)  
}
```

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, 65, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 65, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 61.085, 38.078 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, 65, 46) }
```

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

```
.border{ border-color:rgb(187, 65, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 65, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 65, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 65, 46);  
box-shadow:4px 4px 4px 4px rgb(187, 65,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 61.085, 38.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 65, 46) }
```

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

```
.background{ background-color: rgb(187, 65,  
46) }
```

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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