

Converting Colors

CIELCh(45, 57.519, 26.412)

Have a look what the booklet for
CIELCh(45, 57.519, 26.412) contains.

CIELCh(45, 57.519, 26.412)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 57.519, 26.412)

Conversions

Conversions Part 1

Format	Color
Hex	BD3D43
RGB	189, 61, 67
RGB Percent	74%, 24%, 26%
CMY	0.2592, 0.7611, 0.7375
CMYK	0.00, 0.68, 0.65, 0.26
HSL	357°, 51%, 49%
HSV	357°, 68%, 74%
XYZ	23.6411, 14.5417, 6.8611
YIQ	99.9560, 74.3620, 29.0020

Conversions

Conversions Part 2

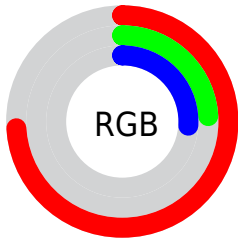
Format	Color
RYB	189, 61, 67
Decimal	12401987
CIELab	45.00, 51.52, 25.59
CIELCh	45, 57.519, 26.412
Yxy	14.5417, 0.5248, 0.3228
Android (android.graphics.Color)	4290592067 (0xFFBD3D43)
YUV	99.9560, -16.2473, 78.0916
Hunter-Lab	38.1336, 43.9280, 16.0260

Details

The CIELCh color **45, 57.519, 26.412** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **70, 36.245, 191.360**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 57.560, 26.602**, and **26, 55.693, 28.682** is the 20% darker color. If you saturate the color by 10%, you get **42, 66.216, 29.979**, and if you desaturate by 10%, it is **48, 48.391, 23.498**.

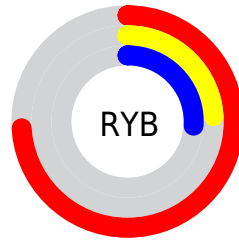
Distribution



Red (74%)

Green (24%)

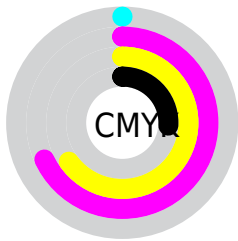
Blue (26%)



Red (74%)

Yellow (24%)

Blue (26%)

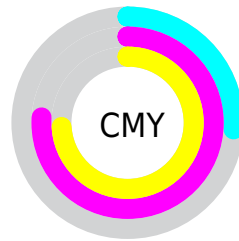


Cyan (0%)

Magenta (68%)

Yellow (65%)

Black (26%)



Cyan (26%)

Magenta (76%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 57.519, 26.412 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, 57.519, 26.412 by changing the saturation by 10% instead.

 45, 57.519, 26.412

 45, 57.519, 26.412

 100, 57.519,
26.412

 35, 57.519, 26.412

 65, 57.519, 26.412

 25, 57.519, 26.412

 75, 57.519, 26.412

 15, 57.519, 26.412

 85, 57.519, 26.412

 5, 57.519, 26.412

 95, 57.519, 26.412

 0, 57.519, 26.412

 45, 57.519, 26.412

 45, 57.519, 26.412

 42, 66.216, 29.979

 48, 48.391, 23.498

 40, 74.073, 33.977

 53, 39.167, 21.199

39, 80.318, 37.623

57, 30.116, 19.408

39, 81.461, 38.190

62, 21.437, 18.009

67, 13.241, 16.899

72, 5.576, 15.974

78, 1.561, 195.699

83, 8.198, 194.852

89, 14.377,
194.346

Harmonies

Complementary

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



45, 57.519, 26.412



70, 36.245, 191.360

Rectangle

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



45, 57.519, 26.412



45, 57.519, 76.412



45, 57.519, 206.412



45, 57.519, 256.412

Sweetspot

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



45, 57.516, 26.415



83, 18.588, 17.162



48, 77.554, 326.090



42, 12.802, 17.466



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, 57.516, 26.415



54, 84.953, 31.774



56, 47.917, 62.174



37, 4.099, 16.118



32, 71.004, 37.750



3, 12.273, 16.701

Inverse Universe

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



45, 57.516, 26.415



54, 84.953, 31.774



53, 36.775, 264.633



37, 4.099, 16.118



32, 71.004, 37.750



3, 12.273, 16.701

Previews

White Background



This preview shows how the CIELCh color 45, 57.519, 26.412 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, 57.519, 26.412 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, 57.519, 26.412

Background



This preview shows how black text looks on a background with the CIELCh color 45, 57.519, 26.412.



This preview shows how white text looks on a background with the CIELCh color 45, 57.519, 26.412.

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





Tritanopia
45, 57.939, 27.493

Trichromacy



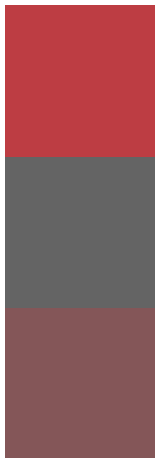
Original Color
45, 57.519, 26.412

Protanomaly
44, 24.734, 37.478

Deuteranomaly
44, 35.264, 46.190

Tritanomaly
45, 57.727, 26.955

Monochromacy



Original Color
45, 57.519, 26.412

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 20.507, 19.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 57.519, 26.412 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(189, 61, 67)` looks like.

```
.text, #text, p{  
    color:rgb(189, 61, 67)  
}
```

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(189, 61, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 61, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 57.519, 26.412 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(189, 61, 67) }
```

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

```
.border{ border-color:rgb(189, 61, 67) }
```

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

Here you see how a box with a 4 pixel rgb(189, 61, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 61, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 61, 67);  
box-shadow:4px 4px 4px 4px rgb(189, 61,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 57.519, 26.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 61, 67) }
```

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

```
.background{ background-color: rgb(189, 61,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor