

Converting Colors

CIELCh(46, 53.975, 9.247)

Have a look what the booklet for
CIELCh(46, 53.975, 9.247) contains.

CIELCh(46, 53.999, 9.347)	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(46, 53.999, 9.347)

Conversions

Conversions Part 1

Format	Color
Hex	BE3F61
RGB	190, 63, 97
RGB Percent	75%, 25%, 38%
CMY	0.2564, 0.7544, 0.6208
CMYK	0.00, 0.67, 0.49, 0.26
HSL	344°, 50%, 49%
HSV	344°, 67%, 74%
XYZ	25.0385, 15.2687, 12.8596
YIQ	104.8490, 64.7780, 37.4980

Conversions

Conversions Part 2

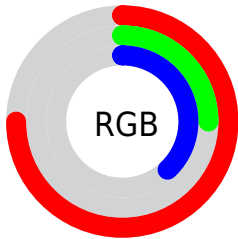
Format	Color
R_{YB}	190, 63, 97
Decimal	12468065
CIE Lab	46.00, 53.28, 8.77
CIE LCh	46, 53.999, 9.347
Yxy	15.2687, 0.4709, 0.2872
Android (android.graphics.Color)	4290658145 (0xFFBE3F61)
YUV	104.8490, -3.8696, 74.6774
Hunter-Lab	39.0751, 45.9973, 7.8403

Details

The CIELCh color **46, 53.999, 9.347** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **70, 43.367, 170.521**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.823, 9.472**, and **27, 51.677, 11.039** is the 20% darker color. If you saturate the color by 10%, you get **43, 60.499, 12.867**, and if you desaturate by 10%, it is **50, 46.509, 6.567**.

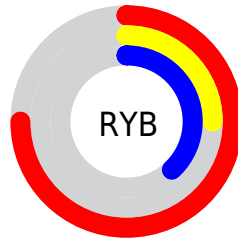
Distribution



Red (75%)

Green (25%)

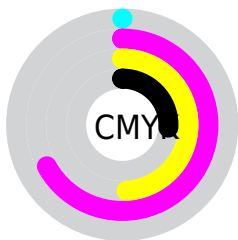
Blue (38%)



Red (75%)

Yellow (25%)

Blue (38%)

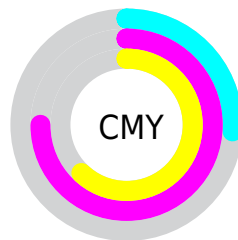


Cyan (0%)

Magenta (67%)

Yellow (49%)

Black (26%)



Cyan (26%)

Magenta (75%)









Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 53.999, 9.347 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 46, 53.999, 9.347 by changing the saturation by 10% instead.

 46, 53.999, 9.347	 46, 53.999, 9.347
 100, 53.999, 9.347	 36, 53.999, 9.347
 66, 53.999, 9.347	 26, 53.999, 9.347
 76, 53.999, 9.347	 16, 53.999, 9.347
 86, 53.999, 9.347	 6, 53.999, 9.347
 96, 53.999, 9.347	 0, 53.999, 9.347

 46, 53.999, 9.347	 46, 53.999, 9.347
 43, 60.499, 12.867	 50, 46.509, 6.567
 41, 65.820, 17.257	 54, 38.383, 4.358
 40, 70.093, 22.469	 58, 29.968, 2.575

40, 71.394, 24.043

63, 21.543, 1.107

68, 13.298,
359.868

73, 5.343, 358.768

78, 2.267, 178.153

84, 9.516, 177.194

89, 16.410,
176.459

Harmonies

Complementary

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



46, 53.999, 9.347



70, 43.367, 170.521

Rectangle

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



46, 53.999, 9.347



46, 53.999, 59.347



46, 53.999, 189.347



46, 53.999, 239.347

Sweetspot

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



46, 53.996, 9.349



84, 19.587, 0.264



44, 76.183, 318.731



44, 13.546, 0.615



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 53.996, 9.349



55, 76.873, 14.662



50, 51.258, 42.258



37, 4.353, 359.026



33, 62.072, 23.181



3, 12.733, 4.345

Inverse Universe

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



46, 53.996, 9.349



55, 76.873, 14.662



62, 30.237, 228.502



37, 4.353, 359.026



33, 62.072, 23.181



3, 12.733, 4.345

Previews

White Background



This preview shows how the CIELCh color 46, 53.999, 9.347 looks on a white background.

Color Contrast Check

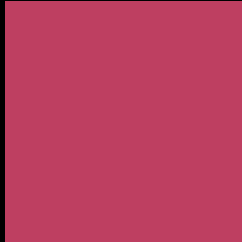
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 53.999, 9.347 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 46, 53.999, 9.347

Background



This preview shows how black text looks on a background with the CIELCh color 46, 53.999, 9.347.



This preview shows how white text looks on a background with the CIELCh color 46, 53.999, 9.347.

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

46, 53.999, 9.347

Protanopia

46, 7.724, 288.359

Deuteranopia

46, 12.883, 59.896



Tritanopia
46, 54.069, 26.143

Trichromacy



Original Color
46, 53.999, 9.347

Protanomaly
45, 22.535, 349.265

Deuteranomaly
45, 26.552, 19.426

Tritanomaly
46, 53.649, 20.096

Monochromacy



Original Color
46, 53.999, 9.347

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 20.787, 2.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 53.999, 9.347 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, 63, 97)` looks like.

```
.text, #text, p{  
    color:rgb(190, 63, 97)  
}
```

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, 63, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 63, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 53.999, 9.347 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, 63, 97) }
```

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

```
.border{ border-color:rgb(190, 63, 97) }
```

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

Here you see how a box with a 4 pixel rgb(190, 63, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 63, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 63, 97);  
box-shadow:4px 4px 4px 4px rgb(190, 63,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 53.999, 9.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 63, 97) }
```

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

```
.background{ background-color: rgb(190, 63,  
97) }
```

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