

Converting Colors

CIELCh(44, 63.911, 9.321)

Have a look what the booklet for
CIELCh(44, 63.911, 9.321) contains.

CIELCh(44, 63.969, 9.163)	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(44, 63.969, 9.163)

Conversions

Conversions Part 1

Format	Color
Hex	C4255A
RGB	196, 37, 90
RGB Percent	77%, 15%, 35%
CMY	0.2307, 0.8540, 0.6465
CMYK	0.00, 0.81, 0.54, 0.23
HSL	340°, 68%, 46%
HSV	340°, 81%, 77%
XYZ	25.3325, 13.8382, 11.0402
YIQ	90.5830, 77.7510, 50.1910

Conversions

Conversions Part 2

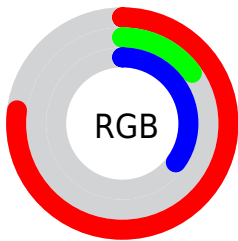
Format	Color
R_{YB}	196, 37, 90
Decimal	12854618
CIE _{Lab}	44.00, 63.15, 10.19
CIE _{LCh}	44, 63.969, 9.163
Yxy	13.8382, 0.5045, 0.2756
Android (android.graphics.Color)	4291044698 (0xFFC4255A)
YUV	90.5830, -0.2874, 92.4507
Hunter-Lab	37.1997, 56.4567, 8.4436

Details

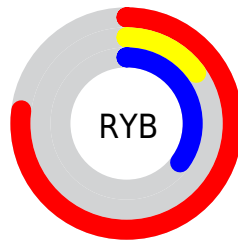
The CIELCh color **44, 63.969, 9.163** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **71, 53.981, 163.225**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 62.816, 8.633**, and **28, 53.891, 16.721** is the 20% darker color. If you saturate the color by 10%, you get **42, 68.112, 13.683**, and if you desaturate by 10%, it is **47, 58.366, 5.552**.

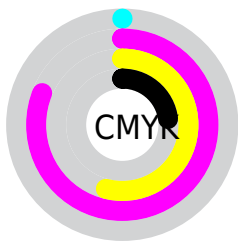
Distribution



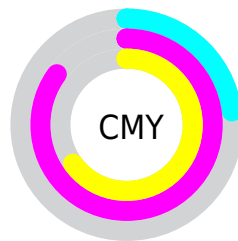
- Red (77%)
- Green (15%)
- Blue (35%)



- Red (77%)
- Yellow (15%)
- Blue (35%)



- Cyan (0%)
- Magenta (81%)
- Yellow (54%)
- Black (23%)










- Cyan (23%)
- Magenta (85%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 63.969, 9.163 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 44, 63.969, 9.163 by changing the saturation by 10% instead.

 44, 63.969, 9.163	 44, 63.969, 9.163
 100, 63.969, 9.163	 34, 63.969, 9.163
 64, 63.969, 9.163	 24, 63.969, 9.163
 74, 63.969, 9.163	 14, 63.969, 9.163
 84, 63.969, 9.163	 4, 63.969, 9.163
 94, 63.969, 9.163	 0, 63.969, 9.163

 44, 63.969, 9.163	 44, 63.969, 9.163
 42, 68.112, 13.683	 47, 58.366, 5.552
 41, 71.038, 18.348	 50, 51.430, 2.702
	 54, 43.507, 0.440

■ 58, 35.003,
358.613

■ 63, 26.268,
357.105

■ 68, 17.561,
355.830

■ 73, 9.048, 354.718

■ 79, 0.823, 353.260

■ 84, 7.070, 173.041

Harmonies

Complementary

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



44, 63.969, 9.163



71, 53.981, 163.225

Rectangle

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



44, 63.969, 9.163



44, 63.969, 59.163



44, 63.969, 189.163



44, 63.969, 239.163

Sweetspot

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



44, 63.966, 9.165



84, 24.937, 356.237



40, 90.157, 317.181



43, 17.215, 356.699



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 63.966, 9.165



54, 85.792, 17.665



46, 67.837, 40.666



38, 4.596, 354.543



34, 61.030, 17.436



3, 14.750, 1.804

Inverse Universe

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



44, 63.966, 9.165



54, 85.792, 17.665



64, 34.135, 223.063



38, 4.596, 354.543



34, 61.030, 17.436



3, 14.750, 1.804

Previews

White Background



This preview shows how the CIELCh color 44, 63.969, 9.163 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 44, 63.969, 9.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

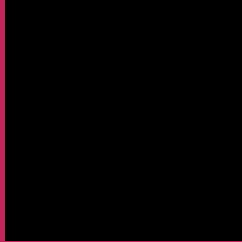
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 63.969, 9.163

Background



This preview shows how black text looks on a background with the CIELCh color 44, 63.969, 9.163.



This preview shows how white text looks on a background with the CIELCh color 44, 63.969, 9.163.

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

44, 63.969, 9.163

Protanopia

44, 12.001, 286.441

Deuteranopia

44, 14.751, 66.245



Tritanopia
44, 66.725, 31.259

Trichromacy



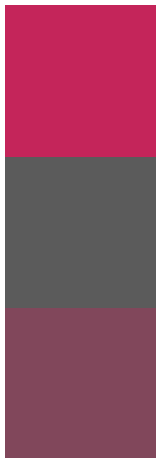
Original Color
44, 63.969, 9.163

Protanomaly
41, 29.382, 343.582

Deuteranomaly
42, 32.207, 16.275

Tritanomaly
44, 64.620, 23.380

Monochromacy



Original Color
44, 63.969, 9.163

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 27.381, 358.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 63.969, 9.163 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(196, 37, 90)` looks like.

```
.text, #text, p{  
    color:rgb(196, 37, 90)  
}
```

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(196, 37, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 37, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 63.969, 9.163 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(196, 37, 90) }
```

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

```
.border{ border-color:rgb(196, 37, 90) }
```

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

Here you see how a box with a 4 pixel rgb(196, 37, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 37, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 37, 90);  
box-shadow:4px 4px 4px 4px rgb(196, 37,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 63.969, 9.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 37, 90) }
```

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

```
.background{ background-color: rgb(196, 37,  
90) }
```

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