

# Converting Colors

CIELCh(41, 59.809, 12.875)

Have a look what the booklet for  
CIELCh(41, 59.809, 12.875) contains.

<b>CIELCh(41, 59.675, 12.844)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(41, 59.675, 12.844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6264E
RGB	182, 38, 78
RGB Percent	71%, 15%, 31%
CMY	0.2866, 0.8513, 0.6944
CMYK	0.00, 0.79, 0.57, 0.29
HSL	343°, 66%, 43%
HSV	343°, 79%, 71%
XYZ	21.3353, 11.8645, 8.3615
YIQ	85.6160, 72.9840, 42.9680

# Conversions

## Conversions Part 2

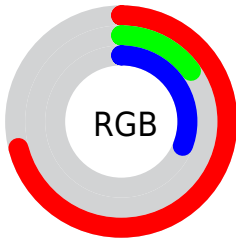
Format	Color
<a href="#">RYB</a>	182, 38, 78
Decimal	11937358
CIELab	41.00, 58.18, 13.27
CIElCh	41, 59.675, 12.844
Yxy	11.8645, 0.5133, 0.2855
Android (android.graphics.Color)	4290127438 (0xFFB6264E)
YUV	85.6160, -3.7547, 84.5288
Hunter-Lab	34.4449, 50.2848, 9.7188

# Details

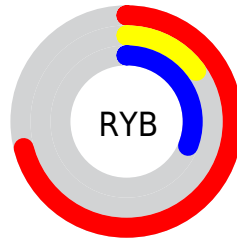
The CIELCh color **41, 59.675, 12.844** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **66, 47.285, 167.760**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 59.455, 12.773**, and **24, 50.720, 20.753** is the 20% darker color. If you saturate the color by 10%, you get **39, 64.478, 17.367**, and if you desaturate by 10%, it is **44, 53.685, 9.208**.

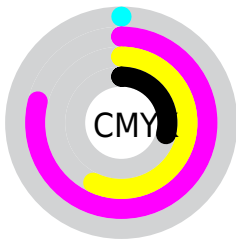
# Distribution



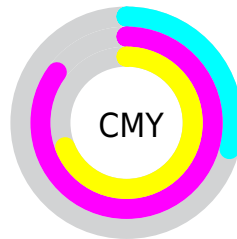
- Red (71%)
- Green (15%)
- Blue (31%)



- Red (71%)
- Yellow (15%)
- Blue (31%)



- Cyan (0%)
- Magenta (79%)
- Yellow (57%)
- Black (29%)



- Cyan (29%)
- Magenta (85%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 59.675, 12.844 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 41, 59.675, 12.844 by changing the saturation by 10% instead.



41, 59.675, 12.844

41, 59.675, 12.844

100, 59.675,  
12.844

31, 59.675, 12.844

61, 59.675, 12.844

21, 59.675, 12.844

71, 59.675, 12.844

11, 59.675, 12.844

81, 59.675, 12.844

1, 59.675, 12.844

91, 59.675, 12.844

0, 59.675, 12.844

41, 59.675, 12.844

41, 59.675, 12.844

39, 64.478, 17.367

44, 53.685, 9.208

38, 68.433, 22.582

47, 46.667, 6.328

38, 68.782, 23.008

51, 38.937, 4.043

55, 30.845, 2.202

60, 22.678, 0.690

64, 14.640,  
359.417

69, 6.855, 358.305

74, 0.611, 178.177

80, 7.736, 176.673

# Harmonies

# Complementary

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



41, 59.675, 12.844



66, 47.285, 167.760

# Rectangle

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



41, 59.675, 12.844



41, 59.675, 62.844



41, 59.675, 192.844



41, 59.675, 242.844

# Sweetspot

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



41, 59.672, 12.846



79, 22.973, 0.060



39, 83.412, 318.731



40, 16.006, 0.527



97, 0.011, 296.813



50, 0.007, 296.813



# Same Dimension

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



41, 59.672, 12.846



50, 82.181, 21.295



45, 60.510, 43.193



36, 4.275, 358.325



32, 60.996, 22.244



2, 11.133, 3.004





# Inverse Universe

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



41, 59.672, 12.846



50, 82.181, 21.295



58, 31.864, 231.641



36, 4.275, 358.325



32, 60.996, 22.244



2, 11.133, 3.004



# Previews

## White Background



This preview shows how the CIELCh color 41, 59.675, 12.844 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 41, 59.675, 12.844 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 41, 59.675, 12.844**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 41, 59.675, 12.844.



This preview shows how white text looks on a background with the CIELCh color 41, 59.675, 12.844.

# 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

41, 59.675, 12.844

### Protanopia

41, 5.457, 290.998

### Deuteranopia

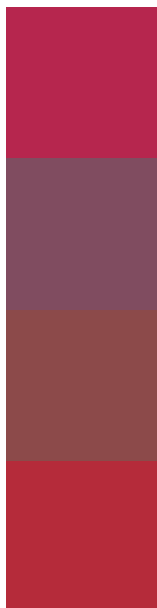
41, 17.413, 71.956



**Tritanopia**  
41, 62.695, 31.294



# Trichromacy



**Original Color**  
41, 59.675, 12.844

**Protanomaly**  
39, 24.959, 354.775

**Deuteranomaly**  
40, 30.534, 24.289

**Tritanomaly**  
41, 60.800, 24.990

# Monochromacy



**Original Color**  
41, 59.675, 12.844

**Achromatopsia**  
37, 0.005, 296.813

**Achromatomaly**  
36, 24.253, 3.234

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 59.675, 12.844 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(182, 38, 78)` looks like.

```
.text, #text, p{  
    color:rgb(182, 38, 78)  
}
```

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(182, 38, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 38, 78) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 59.675, 12.844 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(182, 38, 78) }
```

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

```
.border{ border-color:rgb(182, 38, 78) }
```

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

Here you see how a box with a 4 pixel rgb(182, 38, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 38, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 38, 78);  
box-shadow:4px 4px 4px 4px rgb(182, 38,  
78) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 59.675, 12.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 38, 78) }
```

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

```
.background{ background-color: rgb(182, 38,  
78) }
```

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