

Converting Colors

CIELCh(40, 58.016, 7.405)

Have a look what the booklet for
CIELCh(40, 58.016, 7.405) contains.

CIELCh(40, 58.086, 7.350)	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(40, 58.086, 7.350)

Conversions

Conversions Part 1

Format	Color
Hex	B12555
RGB	177, 37, 85
RGB Percent	69%, 15%, 33%
CMY	0.3073, 0.8566, 0.6678
CMYK	0.00, 0.79, 0.52, 0.31
HSL	339°, 66%, 42%
HSV	339°, 79%, 69%
XYZ	20.3231, 11.2510, 9.6340
YIQ	84.3320, 68.0320, 44.6080

Conversions

Conversions Part 2

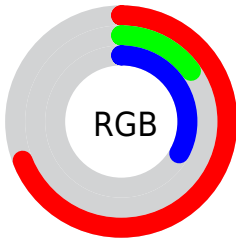
Format	Color
RYB	177, 37, 85
Decimal	11609429
CIELab	40.00, 57.61, 7.43
CIElCh	40, 58.086, 7.350
Yxy	11.2510, 0.4932, 0.2730
Android (android.graphics.Color)	4289799509 (0xFFB12555)
YUV	84.3320, 0.3293, 81.2698
Hunter-Lab	33.5425, 49.4523, 6.4506

Details

The CIELCh color **40, 58.086, 7.350** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **64, 49.598, 162.908**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 58.414, 7.521**, and **24, 48.390, 15.107** is the 20% darker color. If you saturate the color by 10%, you get **38, 62.089, 11.559**, and if you desaturate by 10%, it is **42, 52.714, 4.005**.

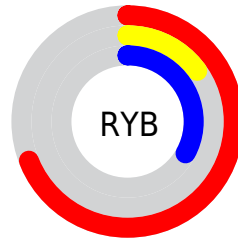
Distribution



Red (69%)

Green (15%)

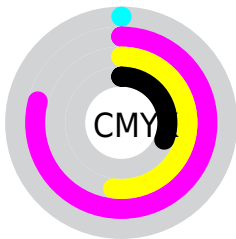
Blue (33%)



Red (69%)

Yellow (15%)

Blue (33%)

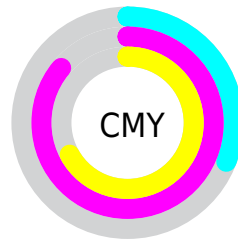


Cyan (0%)

Magenta (79%)

Yellow (52%)

Black (31%)



Cyan (31%)

Magenta (86%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 58.086, 7.350 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 40, 58.086, 7.350 by changing the saturation by 10% instead.

 40, 58.086, 7.350  40, 58.086, 7.350

 100, 58.086, 7.350  30, 58.086, 7.350

 60, 58.086, 7.350  20, 58.086, 7.350

 70, 58.086, 7.350  10, 58.086, 7.350

 80, 58.086, 7.350  0, 58.086, 7.350

 90, 58.086, 7.350

 40, 58.086, 7.350  40, 58.086, 7.350

 38, 62.089, 11.559  42, 52.714, 4.005

 37, 65.092, 16.525  46, 46.157, 1.361

 37, 65.316, 16.872  49, 38.757,

359.249

■ 54, 30.880,
357.531

■ 58, 22.833,
356.102

■ 63, 14.835,
354.883

■ 67, 7.025, 353.805

■ 72, 0.520, 173.758

■ 77, 7.763, 172.184

Harmonies

Complementary

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



40, 58.086, 7.350



64, 49.598, 162.908

Rectangle

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



40, 58.086, 7.350



40, 58.086, 57.350



40, 58.086, 187.350



40, 58.086, 237.350

Sweetspot

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



40, 58.083, 7.352



77, 23.006, 355.485



36, 81.938, 316.725



39, 15.859, 355.920



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 58.083, 7.352



49, 78.133, 15.238



42, 61.246, 39.478



35, 4.319, 353.809



32, 58.610, 16.176



2, 9.859, 358.399

Inverse Universe

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



40, 58.083, 7.352



49, 78.133, 15.238



59, 31.432, 219.579



35, 4.319, 353.809



32, 58.610, 16.176



2, 9.859, 358.399

Previews

White Background



This preview shows how the CIELCh color 40, 58.086, 7.350 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 40, 58.086, 7.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

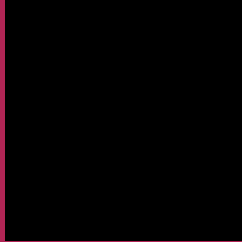
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 58.086, 7.350

Background



This preview shows how black text looks on a background with the CIELCh color 40, 58.086, 7.350.



This preview shows how white text looks on a background with the CIELCh color 40, 58.086, 7.350.

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

40, 58.086, 7.350

Protanopia

41, 12.222, 284.853

Deuteranopia

41, 12.204, 63.752



Tritanopia
40, 59.979, 30.411

Trichromacy



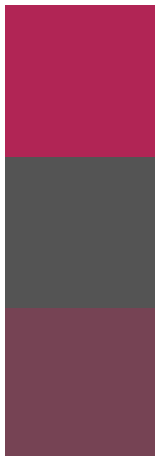
Original Color
40, 58.086, 7.350

Protanomaly
38, 26.605, 340.593

Deuteranomaly
38, 28.592, 14.718

Tritanomaly
40, 58.268, 22.684

Monochromacy



Original Color
40, 58.086, 7.350

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 24.355, 358.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 58.086, 7.350 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(177, 37, 85)` looks like.

```
.text, #text, p{  
    color:rgb(177, 37, 85)  
}
```

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(177, 37, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 37, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 58.086, 7.350 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(177, 37, 85) }
```

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

```
.border{ border-color:rgb(177, 37, 85) }
```

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

Here you see how a box with a 4 pixel rgb(177, 37, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 37, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 37, 85);  
box-shadow:4px 4px 4px 4px rgb(177, 37,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 58.086, 7.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 37, 85) }
```

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

```
.background{ background-color: rgb(177, 37,  
85) }
```

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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