

Converting Colors

CIELCh(40, 48.741, 3.640)

Have a look what the booklet for
CIELCh(40, 48.741, 3.640) contains.

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Color

CIELCh(40, 48.737, 3.532)

Conversions

Conversions Part 1

Format	Color
Hex	A4355B
RGB	164, 53, 91
RGB Percent	64%, 21%, 36%
CMY	0.3558, 0.7911, 0.6422
CMYK	0.00, 0.68, 0.44, 0.36
HSL	339°, 51%, 43%
HSV	339°, 68%, 64%
XYZ	18.5494, 11.2510, 11.1427
YIQ	90.5210, 53.9580, 35.3500

Conversions

Conversions Part 2

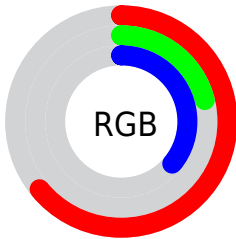
Format	Color
R_{YB}	164, 53, 91
Decimal	10761563
CIE _{Lab}	40.00, 48.64, 3.00
CIE _{LCh}	40, 48.737, 3.532
Yxy	11.2510, 0.4531, 0.2748
Android (android.graphics.Color)	4288951643 (0xFFA4355B)
YUV	90.5210, 0.2361, 64.4411
Hunter-Lab	33.5425, 40.0132, 3.7838

Details

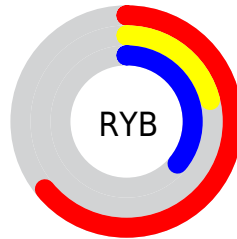
The CIELCh color **40, 48.737, 3.532** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **61, 41.822, 165.163**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 48.741, 3.662**, and **21, 44.560, 6.062** is the 20% darker color. If you saturate the color by 10%, you get **38, 54.063, 6.707**, and if you desaturate by 10%, it is **43, 42.355, 1.020**.

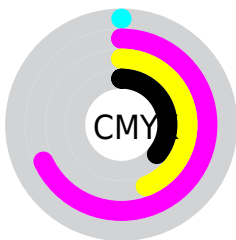
Distribution



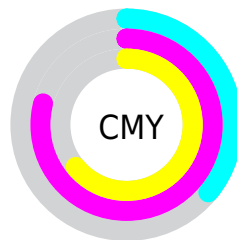
- Red (64%)
- Green (21%)
- Blue (36%)



- Red (64%)
- Yellow (21%)
- Blue (36%)



- Cyan (0%)
- Magenta (68%)
- Yellow (44%)
- Black (36%)




- Cyan (36%)
- Magenta (79%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 48.737, 3.532 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, 48.737, 3.532 by changing the saturation by 10% instead.

 40, 48.737, 3.532  40, 48.737, 3.532

 100, 48.737, 3.532  30, 48.737, 3.532


 60, 48.737, 3.532  20, 48.737, 3.532



 70, 48.737, 3.532  10, 48.737, 3.532

 80, 48.737, 3.532  0, 48.737, 3.532

 90, 48.737, 3.532

 40, 48.737, 3.532  40, 48.737, 3.532

 38, 54.063, 6.707  43, 42.355, 1.020

 36, 58.133, 10.704  47, 35.261,
359.004

 35, 61.122, 15.524

■ 34, 61.866, 16.693

■ 51, 27.786,
357.355

■ 55, 20.199,
355.976

■ 59, 12.689,
354.794

■ 64, 5.374, 353.735

■ 69, 1.682, 173.152

■ 73, 8.453, 172.163

■ 78, 14.935,
171.423

Harmonies

Complementary

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



40, 48.737, 3.532



61, 41.822, 165.163

Rectangle

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



40, 48.737, 3.532



40, 48.737, 53.532



40, 48.737, 183.532



40, 48.737, 233.532

Sweetspot

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



40, 48.734, 3.534



74, 18.003, 355.109



37, 68.332, 316.701



38, 12.310, 355.419



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



40, 48.734, 3.534



48, 68.514, 8.570



42, 47.787, 37.622



32, 4.005, 353.911



30, 56.431, 16.066



1, 6.023, 355.284

Inverse Universe

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



40, 48.734, 3.534



48, 68.514, 8.570



57, 27.658, 217.552



32, 4.005, 353.911



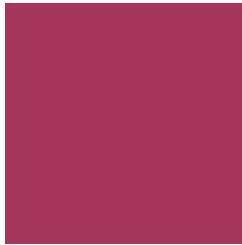
30, 56.431, 16.066



1, 6.023, 355.284

Previews

White Background



This preview shows how the CIELCh color 40, 48.737, 3.532 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 40, 48.737, 3.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

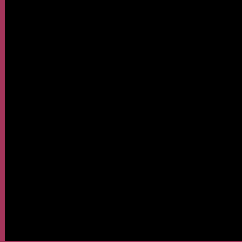
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 48.737, 3.532

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.737, 3.532.



This preview shows how white text looks on a background with the CIELCh color 40, 48.737, 3.532.

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, 48.737, 3.532

Protanopia

40, 12.816, 287.001

Deuteranopia

40, 7.968, 47.195



Tritanopia
40, 47.533, 25.479

Trichromacy



Original Color
40, 48.737, 3.532

Protanomaly
39, 22.806, 336.911

Deuteranomaly
39, 22.674, 7.778

Tritanomaly
40, 47.155, 17.658

Monochromacy



Original Color
40, 48.737, 3.532

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 19.539, 356.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.737, 3.532 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(164, 53, 91)` looks like.

```
.text, #text, p{  
    color:rgb(164, 53, 91)  
}
```

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(164, 53, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 53, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.737, 3.532 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(164, 53, 91) }
```

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

```
.border{ border-color:rgb(164, 53, 91) }
```

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

Here you see how a box with a 4 pixel rgb(164, 53, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 53, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 53, 91);  
box-shadow:4px 4px 4px 4px rgb(164, 53,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.737, 3.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 53, 91) }
```

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

```
.background{ background-color: rgb(164, 53,  
91) }
```

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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