

Converting Colors

CIELCh(40, 49.149, 5.526)

Have a look what the booklet for
CIELCh(40, 49.149, 5.526) contains.

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Color

CIELCh(40, 48.964, 5.225)

Conversions

Conversions Part 1

Format	Color
Hex	A53559
RGB	165, 53, 89
RGB Percent	65%, 21%, 35%
CMY	0.3532, 0.7924, 0.6512
CMYK	0.00, 0.68, 0.46, 0.35
HSL	341°, 51%, 43%
HSV	341°, 68%, 65%
XYZ	18.5717, 11.2510, 10.6303
YIQ	90.5920, 55.1960, 34.9400

Conversions

Conversions Part 2

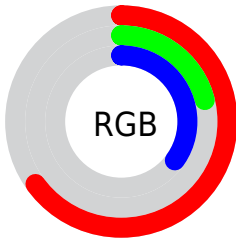
Format	Color
RYB	165, 53, 89
Decimal	10827097
CIELab	40.00, 48.76, 4.46
CIElCh	40, 48.964, 5.225
Yxy	11.2510, 0.4591, 0.2781
Android (android.graphics.Color)	4289017177 (0xFFA53559)
YUV	90.5920, -0.7849, 65.2558
Hunter-Lab	33.5425, 40.1318, 4.6895

Details

The CIELCh color **40, 48.964, 5.225** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **61, 41.279, 166.523**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 48.952, 5.180**, and **21, 44.872, 8.198** is the 20% darker color. If you saturate the color by 10%, you get **38, 54.384, 8.521**, and if you desaturate by 10%, it is **43, 42.524, 2.618**.

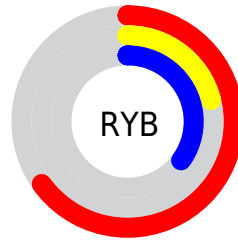
Distribution



Red (65%)

Green (21%)

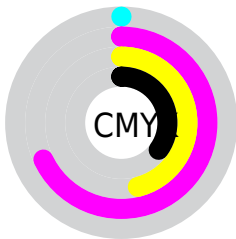
Blue (35%)



Red (65%)

Yellow (21%)

Blue (35%)

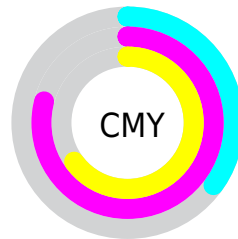


Cyan (0%)

Magenta (68%)

Yellow (46%)

Black (35%)



Cyan (35%)

Magenta (79%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 48.964, 5.225 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, 48.964, 5.225 by changing the saturation by 10% instead.

 40, 48.964, 5.225  40, 48.964, 5.225

 100, 48.964, 5.225  30, 48.964, 5.225


 60, 48.964, 5.225  20, 48.964, 5.225

 70, 48.964, 5.225  10, 48.964, 5.225

 80, 48.964, 5.225  0, 48.964, 5.225

 90, 48.964, 5.225

 40, 48.964, 5.225  40, 48.964, 5.225

 38, 54.384, 8.521  43, 42.524, 2.618

 36, 58.601, 12.658  47, 35.399, 0.533

 35, 61.824, 17.593  51, 27.913,

■ 34, 62.525, 18.616

358.835

■ 55, 20.334,
357.421

■ 59, 12.847,
356.215

■ 64, 5.569, 355.141

■ 69, 1.440, 174.592

■ 73, 8.155, 173.555

■ 78, 14.572,
172.810

Harmonies

Complementary

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



40, 48.964, 5.225



61, 41.279, 166.523

Rectangle

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



40, 48.964, 5.225



40, 48.964, 55.225



40, 48.964, 185.225



40, 48.964, 235.225

Sweetspot

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



40, 48.961, 5.227



74, 17.828, 356.496



38, 68.847, 317.209



37, 12.193, 356.811



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, 48.961, 5.227



48, 68.599, 10.305



43, 47.757, 38.768



32, 3.961, 355.284



30, 56.834, 17.960



1, 5.962, 356.567

Inverse Universe

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



40, 48.961, 5.227



48, 68.599, 10.305



56, 27.607, 220.280



32, 3.961, 355.284



30, 56.834, 17.960



1, 5.962, 356.567

Previews

White Background



This preview shows how the CIELCh color 40, 48.964, 5.225 looks on a white background.

Color Contrast Check

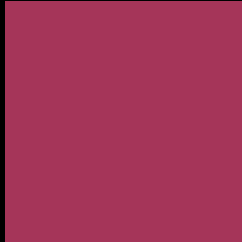
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.964, 5.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

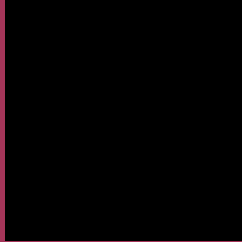
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 48.964, 5.225

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.964, 5.225.



This preview shows how white text looks on a background with the CIELCh color 40, 48.964, 5.225.

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, 48.964, 5.225

Protanopia

40, 11.607, 286.240

Deuteranopia

40, 9.027, 52.478



Tritanopia
40, 48.160, 26.252

Trichromacy



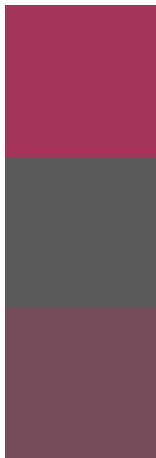
Original Color
40, 48.964, 5.225

Protanomaly
39, 22.032, 339.244

Deuteranomaly
39, 23.014, 11.132

Tritanomaly
40, 47.670, 18.554

Monochromacy



Original Color
40, 48.964, 5.225

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 19.350, 358.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.964, 5.225 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(165, 53, 89)` looks like.

```
.text, #text, p{  
    color:rgb(165, 53, 89)  
}
```

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(165, 53, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 53, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.964, 5.225 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(165, 53, 89) }
```

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

```
.border{ border-color:rgb(165, 53, 89) }
```

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

Here you see how a box with a 4 pixel rgb(165, 53, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 53, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 53, 89);  
box-shadow:4px 4px 4px 4px rgb(165, 53,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.964, 5.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 53, 89) }
```

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

```
.background{ background-color: rgb(165, 53,  
89) }
```

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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