

Converting Colors

CIELCh(40, 53.469, 348.990)

Have a look what the booklet for
CIELCh(40, 53.469, 348.990)
contains.

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Color

CIELCh(40, 53.559, 349.220)

Conversions

Conversions Part 1

Format	Color
Hex	A43170
RGB	164, 49, 112
RGB Percent	64%, 19%, 44%
CMY	0.3570, 0.8080, 0.5609
CMYK	0.00, 0.70, 0.32, 0.36
HSL	327°, 54%, 42%
HSV	327°, 70%, 64%
XYZ	19.3215, 11.2510, 16.4728
YIQ	90.5670, 48.3170, 43.9730

Conversions

Conversions Part 2

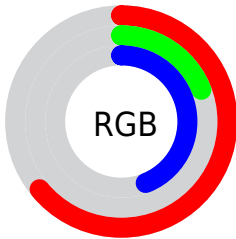
Format	Color
RYB	164, 49, 112
Decimal	10760560
CIELab	40.00, 52.61, -10.02
CIELCh	40, 53.559, 349.220
Yxy	11.2510, 0.4107, 0.2392
Android (android.graphics.Color)	4288950640 (0xFFA43170)
YUV	90.5670, 10.5665, 64.4007
Hunter-Lab	33.5425, 44.1220, -5.6377

Details

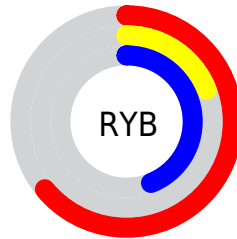
The CIELCh color **40, 53.559, 349.220** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **60, 52.230, 153.036**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 53.605, 349.006**, and **22, 46.686, 351.866** is the 20% darker color. If you saturate the color by 10%, you get **38, 57.901, 351.353**, and if you desaturate by 10%, it is **43, 47.678, 347.491**.

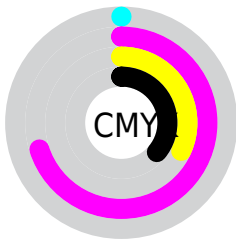
Distribution



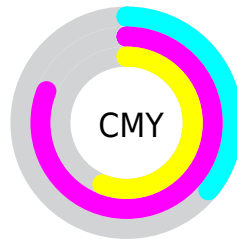
- Red (64%)
- Green (19%)
- Blue (44%)



- Red (64%)
- Yellow (19%)
- Blue (44%)



- Cyan (0%)
- Magenta (70%)
- Yellow (32%)
- Black (36%)





- Cyan (36%)
- Magenta (81%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 53.559, 349.220 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, 53.559, 349.220 by changing the saturation by 10% instead.


 40, 53.559,
349.220


 40, 53.559,
349.220


 100, 53.559,
349.220


 30, 53.559,
349.220

 60, 53.559,
349.220


 20, 53.559,
349.220

 70, 53.559,
349.220

 10, 53.559,
349.220

 80, 53.559,
349.220

 0, 53.559, 349.220

 90, 53.559,
349.220

 40, 53.559,

 40, 53.559,

349.220

349.220

■ 38, 57.901,
351.353

■ 43, 47.678,
347.491

■ 36, 60.466,
354.023

■ 46, 40.658,
346.053

■ 35, 61.657,
357.167

■ 50, 32.900,
344.825

■ 54, 24.748,
343.753

■ 58, 16.459,
342.794

■ 63, 8.211, 341.915

■ 67, 0.114, 338.217

■ 72, 7.769, 160.496

■ 77, 15.406,

Harmonies

Complementary

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



40, 53.559, 349.220



60, 52.230, 153.036

Rectangle

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



40, 53.559, 349.220



40, 53.559, 39.220



40, 53.559, 169.220



40, 53.559, 219.220

Sweetspot

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



40, 53.556, 349.221



74, 21.357, 342.910



33, 70.740, 311.054



37, 14.452, 343.153



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, 53.556, 349.221



48, 72.623, 352.732



38, 53.042, 26.749



32, 4.561, 341.840



31, 56.524, 356.760



1, 6.781, 343.848

Inverse Universe

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



40, 53.556, 349.221



48, 72.623, 352.732



61, 33.128, 190.920



32, 4.561, 341.840



31, 56.524, 356.760



1, 6.781, 343.848

Previews

White Background



This preview shows how the CIELCh color 40, 53.559, 349.220 looks on a white background.

Color Contrast Check

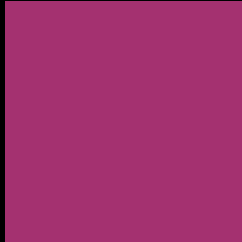
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53.559, 349.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

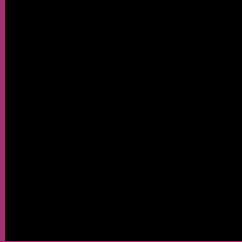
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 53.559, 349.220

Background



This preview shows how black text looks on a background with the CIELCh color 40, 53.559, 349.220.



This preview shows how white text looks on a background with the CIELCh color 40, 53.559, 349.220.

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, 53.559, 349.220

Protanopia
41, 29.984, 284.756

Deuteranopia
40, 8.318, 308.250



Tritanopia
40, 45.646, 24.870

Trichromacy



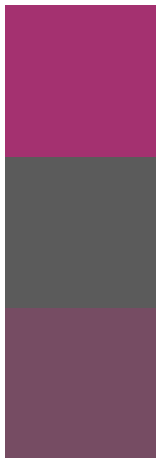
Original Color
40, 53.559, 349.220

Protanomaly
38, 34.959, 313.416

Deuteranomaly
39, 26.321, 338.098

Tritanomaly
40, 45.834, 10.568

Monochromacy



Original Color
40, 53.559, 349.220

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 22.332, 344.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 53.559, 349.220 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, 49, 112)` looks like.

```
.text, #text, p{  
    color:rgb(164, 49, 112)  
}
```

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, 49, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 49, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 53.559, 349.220 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, 49, 112) }
```

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

```
.border{ border-color:rgb(164, 49, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 49, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 49, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 49, 112); box-shadow:4px 4px 4px 4px rgb(164, 49, 112) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 53.559, 349.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 49, 112) }
```

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

```
.background{ background-color: rgb(164, 49,  
112) }
```

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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