

Converting Colors

CIELCh(40, 61.622, 345.339)

Have a look what the booklet for
CIELCh(40, 61.622, 345.339)
contains.

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Color

CIELCh(40, 61.409, 345.335)

Conversions

Conversions Part 1

Format	Color
Hex	AA2579
RGB	170, 37, 121
RGB Percent	67%, 15%, 47%
CMY	0.3333, 0.8548, 0.5255
CMYK	0.00, 0.78, 0.29, 0.33
HSL	322°, 64%, 41%
HSV	322°, 78%, 67%
XYZ	20.6923, 11.2510, 19.1721
YIQ	86.3430, 52.3040, 54.3200

Conversions

Conversions Part 2

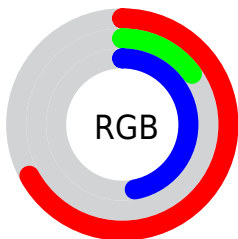
Format	Color
R_{YB}	170, 37, 121
Decimal	11150713
CIE _{Lab}	40.00, 59.41, -15.55
CIE _{LCh}	40, 61.409, 345.335
Yxy	11.2510, 0.4048, 0.2201
Android (android.graphics.Color)	4289340793 (0xFFAA2579)
YUV	86.3430, 17.0859, 73.3672
Hunter-Lab	33.5425, 51.4171, -10.4090

Details

The CIELCh color **40, 61.409, 345.335** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **61, 62.948, 147.897**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 61.102, 345.642**, and **24, 49.231, 348.516** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.302, 347.272**, and if you desaturate by 10%, it is **42, 56.577, 343.752**.

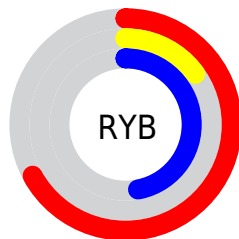
Distribution



Red (67%)

Green (15%)

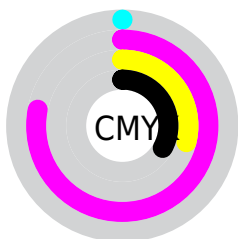
Blue (47%)



Red (67%)

Yellow (15%)

Blue (47%)

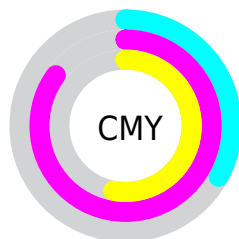


Cyan (0%)

Magenta (78%)

Yellow (29%)

Black (33%)



Cyan (33%)


Magenta (85%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 61.409, 345.335 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, 61.409, 345.335 by changing the saturation by 10% instead.


 40, 61.409,
345.335


 40, 61.409,
345.335


 100, 61.409,
345.335


 30, 61.409,
345.335

 60, 61.409,
345.335


 20, 61.409,
345.335

 70, 61.409,
345.335

 10, 61.409,
345.335

 80, 61.409,
345.335

 0, 61.409, 345.335

 90, 61.409,
345.335

 40, 61.409,

 40, 61.409,

345.335

■ 38, 64.302,
347.272

■ 37, 65.402,
349.621

■ 37, 65.557,
350.051

345.335

■ 42, 56.577,
343.752

■ 45, 50.124,
342.425

■ 49, 42.474,
341.283

■ 53, 34.051,
340.273

■ 57, 25.212,
339.363

■ 61, 16.223,
338.527

■ 66, 7.266, 337.738

■ 70, 1.541, 157.279

■ 75, 10.132,
156.441

Harmonies

Complementary

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



40, 61.409, 345.335



61, 62.948, 147.897

Rectangle

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



40, 61.409, 345.335



40, 61.409, 35.335



40, 61.409, 165.335



40, 61.409, 215.335

Sweetspot

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



40, 61.406, 345.336



75, 25.484, 338.953



30, 80.700, 309.325



38, 17.796, 339.252



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 61.406, 345.336



49, 79.483, 349.014



38, 58.526, 23.822



33, 4.962, 337.821



32, 59.305, 349.713



2, 8.493, 340.866

Inverse Universe

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



40, 61.406, 345.336



49, 79.483, 349.014



63, 38.478, 181.134



33, 4.962, 337.821



32, 59.305, 349.713



2, 8.493, 340.866

Previews

White Background



This preview shows how the CIELCh color 40, 61.409, 345.335 looks on a white background.

Color Contrast Check

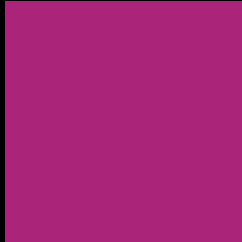
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.409, 345.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

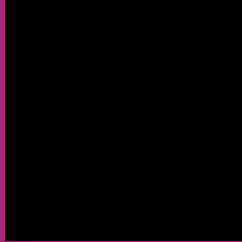
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 61.409, 345.335

Background



This preview shows how black text looks on a background with the CIELCh color 40, 61.409, 345.335.



This preview shows how white text looks on a background with the CIELCh color 40, 61.409, 345.335.

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, 61.409, 345.335

Protanopia
41, 42.104, 286.110

Deuteranopia
40, 12.876, 297.258



Tritanopia
40, 50.042, 26.826

Trichromacy



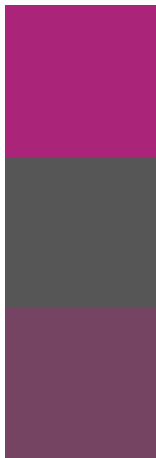
Original Color
40, 61.409, 345.335

Protanomaly
38, 46.522, 309.069

Deuteranomaly
38, 32.814, 330.201

Tritanomaly
40, 50.675, 9.708

Monochromacy



Original Color
40, 61.409, 345.335

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 27.452, 340.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 61.409, 345.335 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(170, 37, 121)` looks like.

```
.text, #text, p{  
    color:rgb(170, 37, 121)  
}
```

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(170, 37, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 37, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 61.409, 345.335 is called "border". The border property can be set on classes, ids or directly on the HTML element.

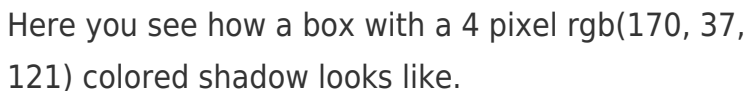
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 37, 121) }
```

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

```
.border{ border-color:rgb(170, 37, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 37, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 37, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 37, 121);  
box-shadow:4px 4px 4px 4px rgb(170, 37,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 61.409, 345.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 37, 121) }
```

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

```
.background{ background-color: rgb(170, 37,  
121) }
```

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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