

Converting Colors

CIELCh(42, 53.290, 351.031)

Have a look what the booklet for
CIELCh(42, 53.290, 351.031)
contains.

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Color

CIELCh(42, 53.540, 351.270)

Conversions

Conversions Part 1

Format	Color
Hex	AB3672
RGB	171, 54, 114
RGB Percent	67%, 21%, 45%
CMY	0.3296, 0.7884, 0.5531
CMYK	0.00, 0.68, 0.33, 0.33
HSL	329°, 52%, 44%
HSV	329°, 68%, 67%
XYZ	21.1354, 12.5000, 17.2053
YIQ	95.8230, 50.4720, 43.4640

Conversions

Conversions Part 2

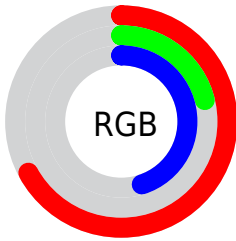
Format	Color
R _Y B	171, 54, 114
Decimal	11220594
CIE Lab	42.00, 52.92, -8.13
CIE LCh	42, 53.540, 351.270
Yxy	12.5000, 0.4157, 0.2459
Android (android.graphics.Color)	4289410674 (0xFFAB3672)
YUV	95.8230, 8.9613, 65.9302
Hunter-Lab	35.3553, 44.8355, -4.1042

Details

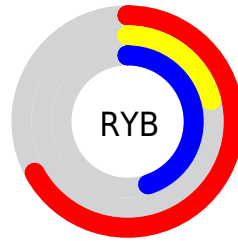
The CIELCh color **42, 53.540, 351.270** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **63, 51.299, 154.988**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 53.655, 351.308**, and **24, 48.176, 353.189** is the 20% darker color. If you saturate the color by 10%, you get **40, 58.309, 353.555**, and if you desaturate by 10%, it is **45, 47.283, 349.429**.

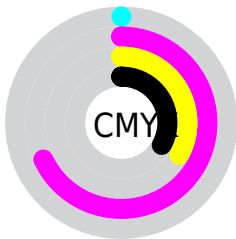
Distribution



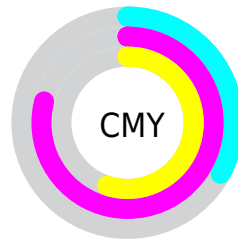
- Red (67%)
- Green (21%)
- Blue (45%)



- Red (67%)
- Yellow (21%)
- Blue (45%)



- Cyan (0%)
- Magenta (68%)
- Yellow (33%)
- Black (33%)





- Cyan (33%)
- Magenta (79%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 53.540, 351.270 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 42, 53.540, 351.270 by changing the saturation by 10% instead.


 42, 53.540,
351.270


 42, 53.540,
351.270


 100, 53.540,
351.270


 32, 53.540,
351.270

 62, 53.540,
351.270


 22, 53.540,
351.270

 72, 53.540,
351.270

 12, 53.540,
351.270

 82, 53.540,
351.270

 2, 53.540, 351.270

 92, 53.540,
351.270

 0, 53.540, 351.270

 42, 53.540,

 42, 53.540,

351.270

351.270

■ 40, 58.309,
353.555

■ 45, 47.283,
349.429

■ 38, 61.321,
356.430

■ 49, 39.953,
347.908

■ 37, 62.772,
359.958

■ 53, 31.957,
346.619

■ 37, 62.984, 0.524

■ 57, 23.630,
345.501

■ 61, 15.220,
344.508

■ 66, 6.892, 343.597

■ 71, 1.253, 163.132

■ 76, 9.159, 162.153

■ 80, 16.803,

Harmonies

Complementary

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



42, 53.540, 351.270



63, 51.299, 154.988

Rectangle

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



42, 53.540, 351.270



42, 53.540, 41.270



42, 53.540, 171.270



42, 53.540, 221.270

Sweetspot

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



42, 53.537, 351.271



76, 21.483, 344.789



36, 71.466, 311.905



39, 14.685, 345.052



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 53.537, 351.271



50, 72.937, 354.913



41, 54.349, 28.552



34, 4.684, 343.675



32, 57.396, 0.059



2, 9.205, 348.112

Inverse Universe

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



42, 53.537, 351.271



50, 72.937, 354.913



64, 33.128, 194.781



34, 4.684, 343.675



32, 57.396, 0.059



2, 9.205, 348.112

Previews

White Background



This preview shows how the CIELCh color 42, 53.540, 351.270 looks on a white background.

Color Contrast Check

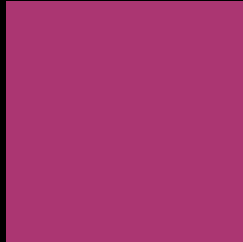
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 53.540, 351.270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

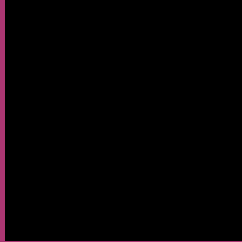
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 53.540, 351.270

Background



This preview shows how black text looks on a background with the CIELCh color 42, 53.540, 351.270.



This preview shows how white text looks on a background with the CIELCh color 42, 53.540, 351.270.

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

42, 53.540, 351.270

Protanopia

42, 27.913, 285.359

Deuteranopia

42, 7.623, 319.764



Tritanopia
42, 47.070, 24.891

Trichromacy



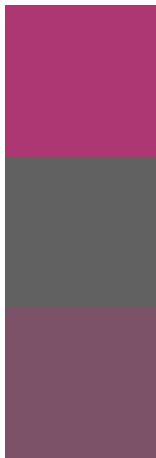
Original Color
42, 53.540, 351.270

Protanomaly
40, 33.423, 316.260

Deuteranomaly
41, 26.306, 342.130

Tritanomaly
42, 47.239, 11.855

Monochromacy



Original Color
42, 53.540, 351.270

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 21.847, 345.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 53.540, 351.270 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(171, 54, 114)` looks like.

```
.text, #text, p{  
    color:rgb(171, 54, 114)  
}
```

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(171, 54, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 54, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 53.540, 351.270 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(171, 54, 114) }
```

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

```
.border{ border-color:rgb(171, 54, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 54, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 54, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 54, 114);  
box-shadow:4px 4px 4px 4px rgb(171, 54,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 53.540, 351.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 54, 114) }
```

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

```
.background{ background-color: rgb(171, 54,  
114) }
```

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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