

Converting Colors

CIELCh(42, 51.621, 303.426)

Have a look what the booklet for
CIELCh(42, 51.621, 303.426)
contains.

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Color

CIELCh(42, 51.540, 303.288)

Conversions

Conversions Part 1

Format	Color
Hex	6956AB
RGB	105, 86, 171
RGB Percent	41%, 34%, 67%
CMY	0.5898, 0.6642, 0.3310
CMYK	0.39, 0.50, 0.00, 0.33
HSL	253°, 33%, 50%
HSV	253°, 50%, 67%
XYZ	16.3874, 12.5000, 39.8693
YIQ	101.3710, -15.9610, 30.4630

Conversions

Conversions Part 2

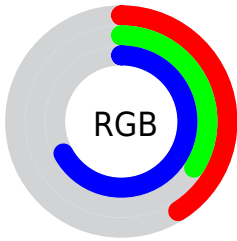
Format	Color
R_{YB}	105, 86, 171
Decimal	6903467
CIE _{Lab}	42.00, 28.29, -43.08
CIE _{LCh}	42, 51.540, 303.288
Yxy	12.5000, 0.2383, 0.1818
Android (android.graphics.Color)	4285093547 (0xFF6956AB)
YUV	101.3710, 34.3271, 3.1826
Hunter-Lab	35.3553, 20.8639, -42.1110

Details

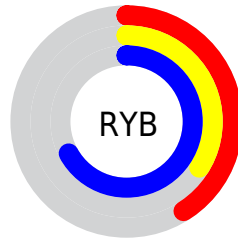
The CIELCh color `42, 51.540, 303.288` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `67, 45.757, 115.744`, and the grayscale version is `43, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 51.675, 303.228`, and `22, 51.540, 303.347` is the 20% darker color. If you saturate the color by 10%, you get `37, 62.672, 304.445`, and if you desaturate by 10%, it is `48, 40.528, 302.195`.

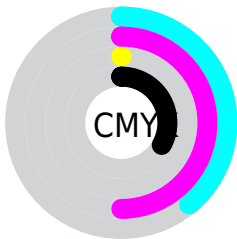
Distribution



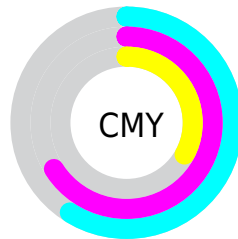
- Red (41%)
- Green (34%)
- Blue (67%)



- Red (41%)
- Yellow (34%)
- Blue (67%)



- Cyan (39%)
- Magenta (50%)
- Yellow (0%)
- Black (33%)




- Cyan (59%)
- Magenta (66%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 51.540, 303.288 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, 51.540, 303.288 by changing the saturation by 10% instead.


 42, 51.540,
303.288


 42, 51.540,
303.288


 100, 51.540,
303.288


 32, 51.540,
303.288

 62, 51.540,
303.288


 22, 51.540,
303.288

 72, 51.540,
303.288

 12, 51.540,
303.288

 82, 51.540,
303.288

 2, 51.540, 303.288

 92, 51.540,
303.288

 0, 51.540, 303.288

 42, 51.540,

 42, 51.540,

303.288

■ 37, 62.672,
304.445

■ 32, 73.562,
305.588

■ 27, 83.525,
306.579

■ 24, 91.507,
307.222

■ 21, 97.055,
307.501

■ 21, 97.164,
307.509

303.288

■ 48, 40.528,
302.195

■ 53, 29.807,
301.201

■ 59, 19.442,
300.318

■ 64, 9.448, 299.543

■ 70, 0.181, 118.972

■ 76, 9.462, 118.293

■ 81, 18.414,
117.790

■ 87, 27.059,
117.357

■ 92, 35.416,

Harmonies

Complementary

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



42, 51.540, 303.288



67, 45.757, 115.744

Rectangle

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



42, 51.540, 303.288



42, 51.540, 353.288



42, 51.540, 123.288



42, 51.540, 173.288

Sweetspot

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



42, 51.539, 303.288



78, 18.087, 299.954



59, 22.782, 225.262



40, 12.486, 300.116



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, 51.539, 303.288



47, 77.961, 304.594



47, 53.488, 318.302



33, 5.391, 299.506



18, 87.380, 307.597



1, 9.659, 297.688

Inverse Universe

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



49, 48.203, 334.734



58, 69.693, 335.618



64, 51.773, 133.717



33, 5.504, 331.901



33, 64.999, 339.358



2, 9.521, 333.826

Previews

White Background



This preview shows how the CIELCh color 42, 51.540, 303.288 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 42, 51.540, 303.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

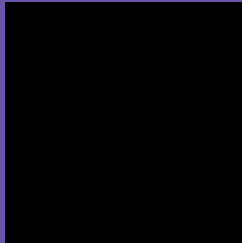
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 51.540, 303.288

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.540, 303.288.



This preview shows how white text looks on a background with the CIELCh color 42, 51.540, 303.288.

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

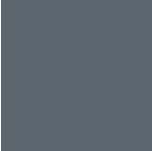
42, 51.540, 303.288

Protanopia

42, 51.423, 286.842

Deuteranopia

42, 41.379, 278.641



Tritanopia
42, 6.378, 248.519

Trichromacy



Original Color
42, 51.540, 303.288

Protanomaly
42, 51.247, 291.935

Deuteranomaly
42, 44.224, 287.525

Tritanomaly
42, 21.824, 293.337

Monochromacy



Original Color
42, 51.540, 303.288

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 19.009, 300.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.540, 303.288 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(105, 86, 171)` looks like.

```
.text, #text, p{  
    color:rgb(105, 86, 171)  
}
```

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(105, 86, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 86, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.540, 303.288 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(105, 86, 171) }
```

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

```
.border{ border-color:rgb(105, 86, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 86, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 86, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 86, 171);  
box-shadow:4px 4px 4px 4px rgb(105, 86,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.540, 303.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 86, 171) }
```

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

```
.background{ background-color: rgb(105, 86,  
171) }
```

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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