

Converting Colors

CIELCh(54, 42.309, 326.740)

Have a look what the booklet for
CIELCh(54, 42.309, 326.740)
contains.

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Color

CIELCh(54, 42.362, 326.399)

Conversions

Conversions Part 1

Format	Color
Hex	AA6BAA
RGB	170, 107, 170
RGB Percent	67%, 42%, 67%
CMY	0.3332, 0.5803, 0.3332
CMYK	0.00, 0.37, 0.00, 0.33
HSL	300°, 27%, 54%
HSV	300°, 37%, 67%
XYZ	29.1037, 21.9746, 40.7531
YIQ	133.0190, 17.3250, 32.9490

Conversions

Conversions Part 2

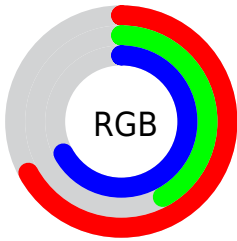
Format	Color
R _{YB}	170, 107, 170
Decimal	11168682
CIE _{Lab}	54.00, 35.28, -23.44
CIE _{LCh}	54, 42.362, 326.399
Y _{xy}	21.9746, 0.3169, 0.2393
Android (android.graphics.Color)	4289358762 (0xFFAA6BAA)
Y _{UV}	133.0190, 18.2316, 32.4323
Hunter-Lab	46.8770, 28.7874, -18.7306

Details

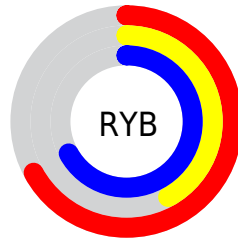
The CIELCh color $54, 42.362, 326.399$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $64, 42.412, 141.749$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 41.866, 326.446$, and $34, 42.707, 326.021$ is the 20% darker color. If you saturate the color by 10%, you get $50, 53.046, 326.875$, and if you desaturate by 10%, it is $58, 31.108, 325.886$.

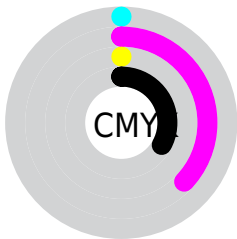
Distribution



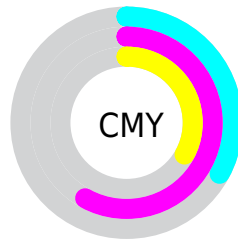
- Red (67%)
- Green (42%)
- Blue (67%)



- Red (67%)
- Yellow (42%)
- Blue (67%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (33%)



- Cyan (33%)
- Magenta (58%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 42.362, 326.399 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 54, 42.362, 326.399 by changing the saturation by 10% instead.


 54, 42.362,
326.399

 54, 42.362,
326.399


 100, 42.362,
326.399

 44, 42.362,
326.399


 74, 42.362,
326.399

 34, 42.362,
326.399

 84, 42.362,
326.399

 24, 42.362,
326.399

 94, 42.362,
326.399

 14, 42.362,
326.399

 4, 42.362, 326.399

 0, 42.362, 326.399

54, 42.362,
326.399

54, 42.362,
326.399

50, 53.046,
326.875

58, 31.108,
325.886

47, 62.780,
327.298

62, 19.601,
325.350

45, 71.131,
327.652

66, 8.068, 324.794

71, 3.334, 144.355

43, 77.695,
327.925

76, 14.503,
143.778

41, 82.199,
328.108

80, 25.378,
143.265

41, 84.704,
328.209

85, 35.929,
142.780

40, 85.302,
328.233

90, 46.146,
142.321

■ 93, 53.121,
142.015

Harmonies

Complementary

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



54, 42.362, 326.399



64, 42.412, 141.749

Rectangle

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



54, 42.362, 326.399



54, 42.362, 16.399



54, 42.362, 146.399



54, 42.362, 196.399

Sweetspot

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



54, 42.360, 326.399



82, 15.663, 325.028



48, 37.204, 294.934



43, 10.616, 325.101



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



54, 42.360, 326.399



66, 61.836, 326.772



53, 30.454, 347.196



33, 6.429, 324.921



35, 76.992, 328.233



2, 11.673, 324.439

Inverse Universe

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



54, 42.360, 326.399



66, 61.836, 326.772



65, 29.144, 160.123



33, 6.429, 324.921



35, 76.992, 328.233



2, 11.673, 324.439

Previews

White Background



This preview shows how the CIELCh color 54, 42.362, 326.399 looks on a white background.

Color Contrast Check

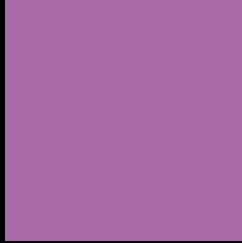
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 54, 42.362, 326.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

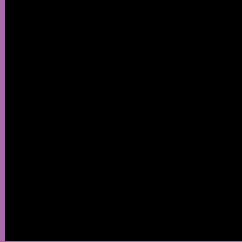
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 42.362, 326.399

Background



This preview shows how black text looks on a background with the CIELCh color 54, 42.362, 326.399.

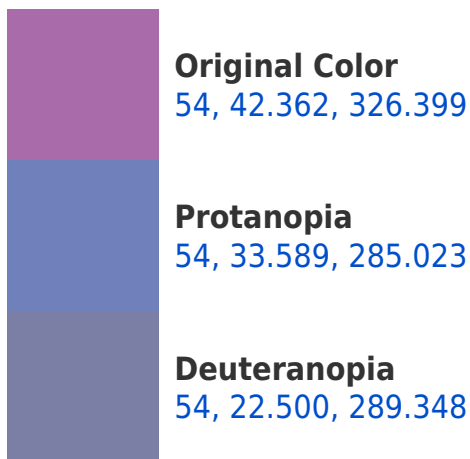



This preview shows how white text looks on a background with the CIELCh color 54, 42.362, 326.399.

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





Tritanopia
54, 20.404, 7.356

Trichromacy



Original Color
54, 42.362, 326.399

Protanomaly
54, 35.016, 300.791

Deuteranomaly
54, 28.193, 307.910

Tritanomaly
54, 26.173, 345.005

Monochromacy



Original Color
54, 42.362, 326.399

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 15.285, 325.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 42.362, 326.399 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, 107, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 107, 170)  
}
```

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, 107, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 107, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 42.362, 326.399 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, 107, 170) }
```

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

```
.border{ border-color:rgb(170, 107, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 107, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 107, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 107, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 107,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 42.362, 326.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 107, 170) }
```

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

```
.background{ background-color: rgb(170,  
107, 170) }
```

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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