

Converting Colors

CIELCh(53, 41.827, 326.400)

Have a look what the booklet for
CIELCh(53, 41.827, 326.400)
contains.

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Color

CIELCh(53, 41.827, 326.400)

Conversions

Conversions Part 1

Format	Color
Hex	A769A7
RGB	167, 105, 167
RGB Percent	65%, 41%, 65%
CMY	0.3458, 0.5889, 0.3458
CMYK	0.00, 0.37, 0.00, 0.35
HSL	300°, 26%, 53%
HSV	300°, 37%, 65%
XYZ	27.8890, 21.0462, 39.0629
YIQ	130.6060, 17.0500, 32.4260

Conversions

Conversions Part 2

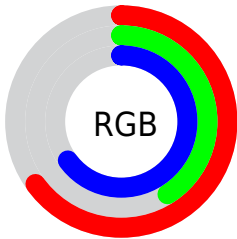
Format	Color
R_{YB}	167, 105, 167
Decimal	10971559
CIE _{Lab}	53.00, 34.84, -23.15
CIE _{LCh}	53, 41.827, 326.400
Yxy	21.0462, 0.3169, 0.2392
Android (android.graphics.Color)	4289161639 (0xFFA769A7)
YUV	130.6060, 17.9422, 31.9175
Hunter-Lab	45.8761, 28.2304, -18.3714

Details

The CIELCh color $53, 41.827, 326.400$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 41.877, 141.743$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 41.964, 326.466$, and $33, 41.662, 326.476$ is the 20% darker color. If you saturate the color by 10%, you get $49, 52.343, 326.875$, and if you desaturate by 10%, it is $57, 30.749, 325.888$.

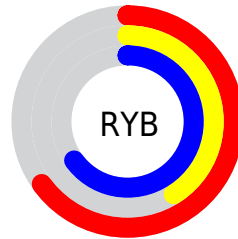
Distribution



Red (65%)

Green (41%)

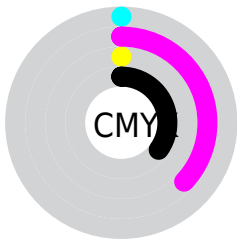
Blue (65%)



Red (65%)

Yellow (41%)

Blue (65%)

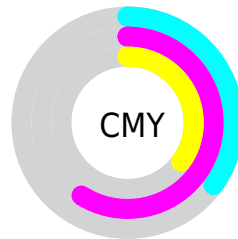


Cyan (0%)

Magenta (37%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (59%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 41.827, 326.400 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 53, 41.827, 326.400 by changing the saturation by 10% instead.

 53, 41.827,
326.400


 53, 41.827,
326.400


 100, 41.827,
326.400


 43, 41.827,
326.400


 73, 41.827,
326.400

 33, 41.827,
326.400

 83, 41.827,
326.400

 23, 41.827,
326.400

 93, 41.827,
326.400

 13, 41.827,
326.400

 3, 41.827, 326.400

 0, 41.827, 326.400

53, 41.827,
326.400

53, 41.827,
326.400

49, 52.343,
326.875

57, 30.749,
325.888

46, 61.923,
327.298

61, 19.421,
325.353

44, 70.142,
327.651

65, 8.065, 324.798

42, 76.605,
327.923

70, 3.163, 144.362

40, 81.042,
328.106

74, 14.162,
143.783

40, 83.527,
328.207

79, 24.873,
143.271

40, 84.109,
328.231

83, 35.266,
142.786

88, 45.331,
142.327

■ 93, 55.067,
141.895

Harmonies

Complementary

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



53, 41.827, 326.400



63, 41.877, 141.743

Rectangle

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



53, 41.827, 326.400



53, 41.827, 16.400



53, 41.827, 146.400



53, 41.827, 196.400

Sweetspot

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



53, 41.825, 326.400



81, 15.370, 325.026



47, 36.080, 294.324



42, 10.417, 325.097



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



53, 41.825, 326.400



64, 61.958, 326.814



52, 30.363, 346.241



33, 6.429, 324.919



35, 76.993, 328.231



2, 11.673, 324.437

Inverse Universe

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



51, 26.949, 22.779



61, 41.539, 24.171



64, 29.167, 159.264



33, 3.724, 19.903



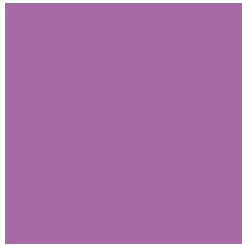
30, 69.025, 39.358



1, 6.572, 19.402

Previews

White Background



This preview shows how the CIELCh color 53, 41.827, 326.400 looks on a white background.

Color Contrast Check

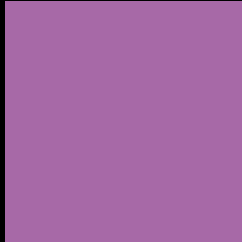
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 53, 41.827, 326.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

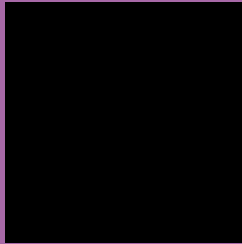
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 41.827, 326.400

Background



This preview shows how black text looks on a background with the CIELCh color 53, 41.827, 326.400.



This preview shows how white text looks on a background with the CIELCh color 53, 41.827, 326.400.

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
53, 41.827, 326.400

Protanopia
53, 33.123, 285.405

Deuteranopia
53, 22.006, 288.331



Tritanopia
53, 20.057, 7.038

Trichromacy



Original Color
53, 41.827, 326.400

Protanomaly
53, 33.977, 300.973

Deuteranomaly
53, 27.633, 307.480

Tritanomaly
53, 25.928, 344.439

Monochromacy



Original Color
53, 41.827, 326.400

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 15.344, 325.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 41.827, 326.400 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(167, 105, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 105, 167)  
}
```

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(167, 105, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 105, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 41.827, 326.400 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(167, 105, 167) }
```

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

```
.border{ border-color:rgb(167, 105, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 105, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 105, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 105, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 105,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 41.827, 326.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 105, 167) }
```

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

```
.background{ background-color: rgb(167,  
105, 167) }
```

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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