

Converting Colors

CIELCh(53, 45.447, 314.282)

Have a look what the booklet for
CIELCh(53, 45.447, 314.282)
contains.

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Color

CIELCh(53, 45.267, 314.100)

Conversions

Conversions Part 1

Format	Color
Hex	996DB7
RGB	153, 109, 183
RGB Percent	60%, 43%, 72%
CMY	0.4009, 0.5734, 0.2833
CMYK	0.16, 0.40, 0.00, 0.28
HSL	276°, 34%, 57%
HSV	276°, 40%, 72%
XYZ	27.0572, 21.0462, 47.3015
YIQ	130.5920, 2.4700, 32.3420

Conversions

Conversions Part 2

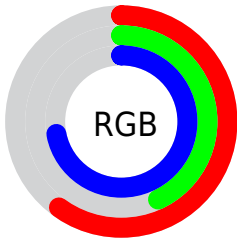
Format	Color
R_{YB}	153, 109, 183
Decimal	10055095
CIE _{Lab}	53.00, 31.50, -32.51
CIE _{LCh}	53, 45.267, 314.100
Yxy	21.0462, 0.2836, 0.2206
Android (android.graphics.Color)	4288245175 (0xFF996DB7)
YUV	130.5920, 25.8371, 19.6518
Hunter-Lab	45.8761, 24.9938, -29.0189

Details

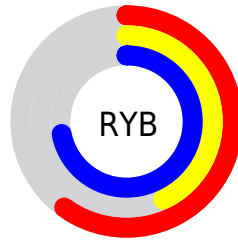
The CIELCh color $53, 45.267, 314.100$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $70, 43.306, 130.435$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 45.252, 314.024$, and $33, 45.545, 313.890$ is the 20% darker color. If you saturate the color by 10%, you get $48, 56.530, 314.530$, and if you desaturate by 10%, it is $58, 33.863, 313.639$.

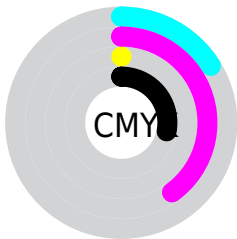
Distribution



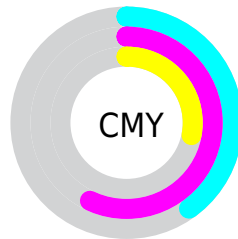
- Red (60%)
- Green (43%)
- Blue (72%)



- Red (60%)
- Yellow (43%)
- Blue (72%)



- Cyan (16%)
- Magenta (40%)
- Yellow (0%)
- Black (28%)





- Cyan (40%)
- Magenta (57%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 45.267, 314.100 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, 45.267, 314.100 by changing the saturation by 10% instead.


 53, 45.267,
314.100


 53, 45.267,
314.100


 100, 45.267,
314.100


 43, 45.267,
314.100


 73, 45.267,
314.100

 33, 45.267,
314.100

 83, 45.267,
314.100

 23, 45.267,
314.100

 93, 45.267,
314.100

 13, 45.267,
314.100

 3, 45.267, 314.100

 0, 45.267, 314.100

53, 45.267,
314.100

53, 45.267,
314.100

48, 56.530,
314.530

58, 33.863,
313.639

43, 67.325,
314.886

63, 22.531,
313.176

39, 77.167,
315.107

69, 11.395,
312.726

36, 85.428,
315.111

74, 0.523, 312.056

33, 91.456,
314.811

79, 10.052,
131.952

31, 95.213,
314.269

85, 20.318,
131.597

90, 30.275,
131.283

96, 39.932,
131.003

■ 96, 38.873,
127.458

Harmonies

Complementary

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



53, 45.267, 314.100



70, 43.306, 130.435

Rectangle

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



53, 45.267, 314.100



53, 45.267, 4.100



53, 45.267, 134.100



53, 45.267, 184.100

Sweetspot

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



53, 45.265, 314.100



86, 16.159, 312.802



57, 26.038, 270.846



45, 10.822, 312.860



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



53, 45.265, 314.100



62, 67.820, 314.503



56, 46.232, 329.068



36, 6.175, 312.675



26, 84.440, 314.405



2, 16.238, 308.222

Inverse Universe

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



55, 33.581, 353.550



65, 50.024, 355.053



68, 46.307, 143.639



36, 4.582, 349.862



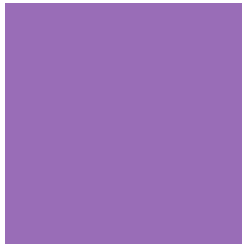
33, 58.508, 10.385



2, 11.650, 356.112

Previews

White Background



This preview shows how the CIELCh color 53, 45.267, 314.100 looks on a white background.

Color Contrast Check

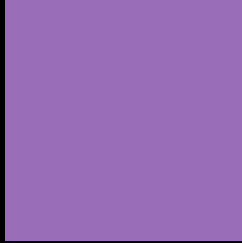
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.267, 314.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

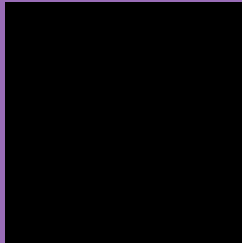
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 45.267, 314.100

Background



This preview shows how black text looks on a background with the CIELCh color 53, 45.267, 314.100.

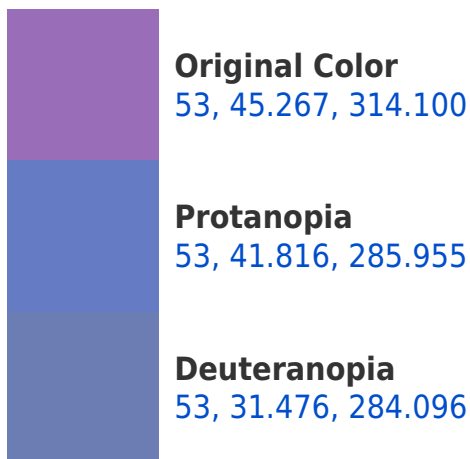


This preview shows how white text looks on a background with the CIELCh color 53, 45.267, 314.100.

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
53, 11.243, 349.882

Trichromacy



Original Color
53, 45.267, 314.100

Protanomaly
53, 42.328, 296.007

Deuteranomaly
53, 35.461, 297.029

Tritanomaly
53, 22.486, 323.896

Monochromacy



Original Color
53, 45.267, 314.100

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 16.820, 312.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 45.267, 314.100 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(153, 109, 183)` looks like.

```
.text, #text, p{  
    color:rgb(153, 109, 183)  
}
```

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(153, 109, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 109, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 45.267, 314.100 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(153, 109, 183) }
```

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

```
.border{ border-color:rgb(153, 109, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 109, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 109, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 109, 183);  
box-shadow:4px 4px 4px 4px rgb(153, 109,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 45.267, 314.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 109, 183) }
```

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

```
.background{ background-color: rgb(153,  
109, 183) }
```

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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