

Converting Colors

CIELCh(45, 63.682, 316.514)

Have a look what the booklet for
CIELCh(45, 63.682, 316.514)
contains.

CIELCh(45, 63.343, 316.491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 63.343, 316.491)

Conversions

Conversions Part 1

Format	Color
Hex	904DB4
RGB	144, 77, 180
RGB Percent	56%, 30%, 71%
CMY	0.4351, 0.6979, 0.2940
CMYK	0.20, 0.57, 0.00, 0.29
HSL	279°, 41%, 50%
HSV	279°, 57%, 71%
XYZ	22.4059, 14.5417, 44.8252
YIQ	108.7750, 6.8690, 46.2370

Conversions

Conversions Part 2

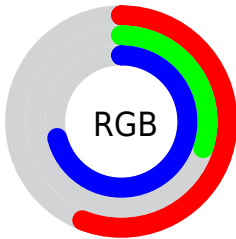
Format	Color
RYB	144, 77, 180
Decimal	9457076
CIELab	45.00, 45.94, -43.61
CIElCh	45, 63.343, 316.491
Yxy	14.5417, 0.2740, 0.1778
Android (android.graphics.Color)	4287647156 (0xFF904DB4)
YUV	108.7750, 35.1139, 30.8923
Hunter-Lab	38.1336, 38.1462, -43.0005

Details

The CIELCh color **45, 63.343, 316.491** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **67, 60.242, 131.428**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 63.061, 316.516**, and **25, 63.236, 316.551** is the 20% darker color. If you saturate the color by 10%, you get **41, 73.220, 316.717**, and if you desaturate by 10%, it is **50, 52.594, 316.148**.

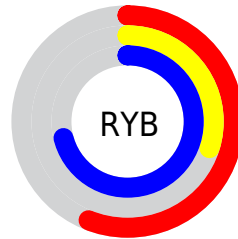
Distribution



Red (56%)

Green (30%)

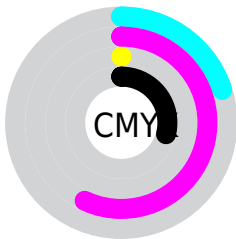
Blue (71%)



Red (56%)

Yellow (30%)

Blue (71%)

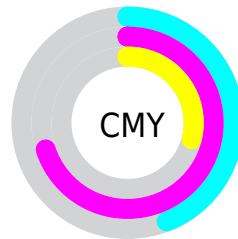


Cyan (20%)

Magenta (57%)

Yellow (0%)

Black (29%)



Cyan (44%)


Magenta (70%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 63.343, 316.491 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 45, 63.343, 316.491 by changing the saturation by 10% instead.


 45, 63.343,
316.491


 45, 63.343,
316.491


 100, 63.343,
316.491


 35, 63.343,
316.491

 65, 63.343,
316.491


 25, 63.343,
316.491

 75, 63.343,
316.491

 15, 63.343,
316.491

 85, 63.343,
316.491

 5, 63.343, 316.491

 95, 63.343,
316.491

 0, 63.343, 316.491

 45, 63.343,

 45, 63.343,

316.491

41, 73.220,
316.717

37, 81.663,
316.760

35, 88.065,
316.543

33, 92.103,
316.022

32, 93.081,
315.868

316.491

50, 52.594,
316.148

54, 41.415,
315.738

59, 30.108,
315.300

64, 18.870,
314.857

70, 7.820, 314.420

75, 2.975, 134.089

80, 13.481,
133.676

85, 23.685,
133.330

■ 91, 33.587,
133.019

Harmonies

Complementary

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



45, 63.343, 316.491



67, 60.242, 131.428

Rectangle

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



45, 63.343, 316.491



45, 63.343, 6.491



45, 63.343, 136.491



45, 63.343, 186.491

Sweetspot

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



45, 63.342, 316.491



82, 23.116, 314.861



48, 40.110, 280.849



42, 15.480, 314.948



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 63.342, 316.491



52, 92.545, 316.752



49, 59.593, 332.365



35, 6.114, 314.513



27, 82.482, 315.999



2, 14.272, 310.505

Inverse Universe

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



47, 45.436, 0.471



56, 65.962, 3.842



66, 60.235, 143.636



35, 4.333, 353.424



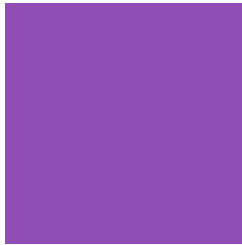
32, 58.502, 15.628



2, 9.881, 358.076

Previews

White Background



This preview shows how the CIELCh color 45, 63.343, 316.491 looks on a white background.

Color Contrast Check

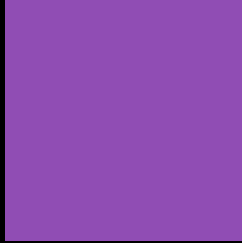
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 63.343, 316.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

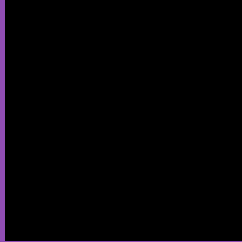
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 63.343, 316.491

Background



This preview shows how black text looks on a background with the CIELCh color 45, 63.343, 316.491.

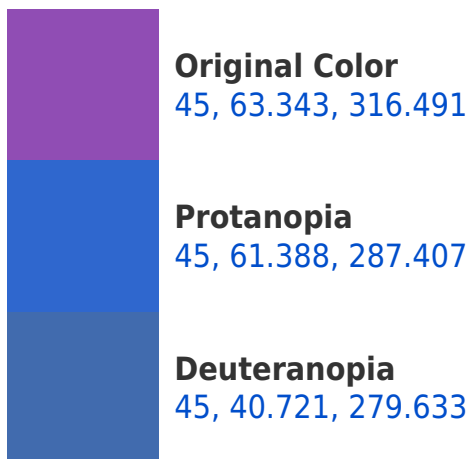



This preview shows how white text looks on a background with the CIELCh color 45, 63.343, 316.491.

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
45, 15.528, 3.838

Trichromacy



Original Color
45, 63.343, 316.491

Protanomaly
44, 61.314, 295.300

Deuteranomaly
44, 47.806, 295.796

Tritanomaly
45, 30.483, 328.761

Monochromacy



Original Color
45, 63.343, 316.491

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 24.663, 315.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 63.343, 316.491 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(144, 77, 180)` looks like.

```
.text, #text, p{  
    color:rgb(144, 77, 180)  
}
```

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(144, 77, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 77, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 63.343, 316.491 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(144, 77, 180) }
```

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

```
.border{ border-color:rgb(144, 77, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 77, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 77, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 77, 180);  
box-shadow:4px 4px 4px 4px rgb(144, 77,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 63.343, 316.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 77, 180) }
```

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

```
.background{ background-color: rgb(144, 77,  
180) }
```

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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