

Converting Colors

CIELCh(45, 52.151, 319.854)

Have a look what the booklet for
CIELCh(45, 52.151, 319.854)
contains.

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Color

CIELCh(45, 51.787, 319.811)

Conversions

Conversions Part 1

Format	Color
Hex	9052A3
RGB	144, 82, 163
RGB Percent	56%, 32%, 64%
CMY	0.4363, 0.6793, 0.3618
CMYK	0.12, 0.50, 0.00, 0.36
HSL	286°, 33%, 48%
HSV	286°, 50%, 64%
XYZ	21.0461, 14.5417, 36.2307
YIQ	109.7720, 10.9510, 38.3350

Conversions

Conversions Part 2

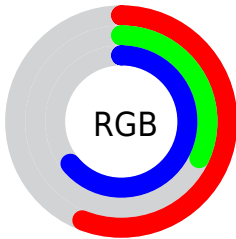
Format	Color
R_{YB}	144, 82, 163
Decimal	9458339
CIE _{Lab}	45.00, 39.56, -33.42
CIE _{LCh}	45, 51.787, 319.811
Yxy	14.5417, 0.2930, 0.2025
Android (android.graphics.Color)	4287648419 (0xFF9052A3)
YUV	109.7720, 26.2414, 30.0180
Hunter-Lab	38.1336, 31.7809, -29.6378

Details

The CIELCh color `45, 51.787, 319.811` is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be `61, 50.532, 135.069`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 51.881, 319.792`, and `25, 51.629, 319.562` is the 20% darker color. If you saturate the color by 10%, you get `41, 61.303, 320.096`, and if you desaturate by 10%, it is `49, 41.614, 319.445`.

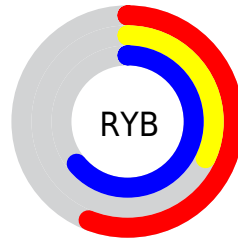
Distribution



Red (56%)

Green (32%)

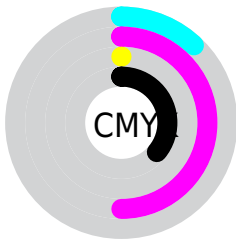
Blue (64%)



Red (56%)

Yellow (32%)

Blue (64%)

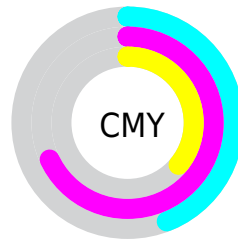


Cyan (12%)

Magenta (50%)

Yellow (0%)

Black (36%)



Cyan (44%)


Magenta (68%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 51.787, 319.811 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, 51.787, 319.811 by changing the saturation by 10% instead.


 45, 51.787,
319.811


 45, 51.787,
319.811


 100, 51.787,
319.811


 35, 51.787,
319.811

 65, 51.787,
319.811


 25, 51.787,
319.811

 75, 51.787,
319.811

 15, 51.787,
319.811

 85, 51.787,
319.811

 5, 51.787, 319.811

 95, 51.787,
319.811

 0, 51.787, 319.811

 45, 51.787,

 45, 51.787,

319.811

41, 61.303,
320.096

38, 69.734,
320.259

35, 76.588,
320.248

33, 81.437,
320.018

32, 84.512,
319.594

32, 84.585,
319.584

319.811

49, 41.614,
319.445

53, 31.125,
319.034

58, 20.557,
318.601

62, 10.069,
318.160

67, 0.240, 138.468

72, 10.313,
137.372

76, 20.118,
136.988

81, 29.645,
136.636

■ 86, 38.892,
136.313

Harmonies

Complementary

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



45, 51.787, 319.811



61, 50.532, 135.069

Rectangle

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



45, 51.787, 319.811



45, 51.787, 9.811



45, 51.787, 139.811



45, 51.787, 189.811

Sweetspot

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



45, 51.785, 319.811



76, 19.263, 318.404



44, 36.546, 285.625



39, 13.269, 318.492



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 51.785, 319.811



53, 76.018, 320.127



47, 45.550, 335.845



32, 5.848, 318.138



28, 77.828, 319.658



1, 8.898, 316.146

Inverse Universe

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



45, 35.759, 7.327



54, 53.363, 10.049



61, 45.430, 147.888



32, 3.803, 1.441



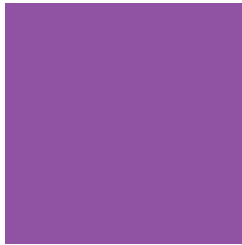
30, 59.285, 25.556



1, 5.740, 2.295

Previews

White Background



This preview shows how the CIELCh color 45, 51.787, 319.811 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, 51.787, 319.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

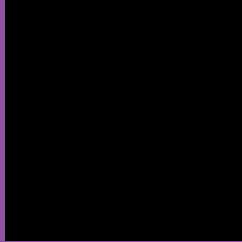
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 51.787, 319.811

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.787, 319.811.

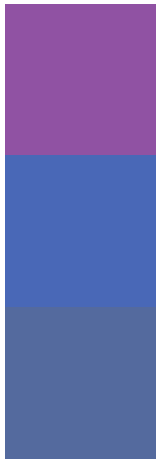


This preview shows how white text looks on a background with the CIELCh color 45, 51.787, 319.811.

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
45, 51.787, 319.811

Protanopia
45, 47.220, 286.465

Deuteranopia
45, 31.408, 281.833



Tritanopia
45, 17.119, 7.844

Trichromacy



Original Color
45, 51.787, 319.811

Protanomaly
44, 47.789, 297.483

Deuteranomaly
44, 37.882, 299.621

Tritanomaly
45, 27.276, 335.695

Monochromacy



Original Color
45, 51.787, 319.811

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 19.340, 318.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.787, 319.811 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, 82, 163)` looks like.

```
.text, #text, p{  
    color:rgb(144, 82, 163)  
}
```

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, 82, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 82, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.787, 319.811 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, 82, 163) }
```

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

```
.border{ border-color:rgb(144, 82, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 82, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 82, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 82, 163);  
box-shadow:4px 4px 4px 4px rgb(144, 82,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.787, 319.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 82, 163) }
```

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

```
.background{ background-color: rgb(144, 82,  
163) }
```

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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