

Converting Colors

CIELCh(44, 62.944, 310.185)

Have a look what the booklet for
CIELCh(44, 62.944, 310.185)
contains.

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Color

CIELCh(44, 62.944, 310.185)

Conversions

Conversions Part 1

Format	Color
Hex	7F51B9
RGB	127, 81, 185
RGB Percent	50%, 32%, 73%
CMY	0.5029, 0.6832, 0.2755
CMYK	0.31, 0.56, 0.00, 0.28
HSL	267°, 43%, 52%
HSV	267°, 56%, 72%
XYZ	20.3737, 13.8382, 47.3600
YIQ	106.6100, -5.9680, 42.0960

Conversions

Conversions Part 2

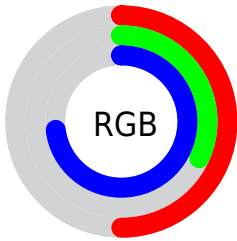
Format	Color
R_{YB}	127, 81, 185
Decimal	8343993
CIE Lab	44.00, 40.62, -48.09
CIE LCh	44, 62.944, 310.185
Yxy	13.8382, 0.2498, 0.1696
Android (android.graphics.Color)	4286534073 (0xFF7F51B9)
YUV	106.6100, 38.6463, 17.8820
Hunter-Lab	37.1997, 32.6618, -49.4438

Details

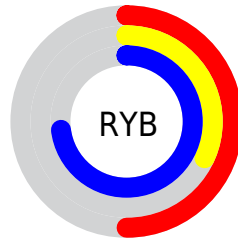
The CIELCh color **44, 62.944, 310.185** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **70, 57.137, 124.444**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.098, 310.250**, and **24, 62.685, 310.103** is the 20% darker color. If you saturate the color by 10%, you get **39, 73.934, 310.709**, and if you desaturate by 10%, it is **49, 51.496, 309.586**.

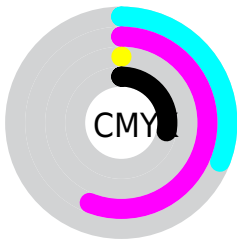
Distribution



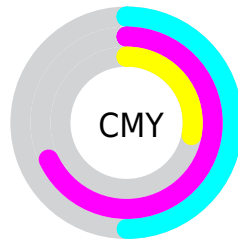
- Red (50%)
- Green (32%)
- Blue (73%)



- Red (50%)
- Yellow (32%)
- Blue (73%)



- Cyan (31%)
- Magenta (56%)
- Yellow (0%)
- Black (28%)



- Cyan (50%)
- Magenta (68%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 62.944, 310.185 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 44, 62.944, 310.185 by changing the saturation by 10% instead.


 44, 62.944,
310.185


 44, 62.944,
310.185


 100, 62.944,
310.185

 34, 62.944,
310.185

 64, 62.944,
310.185


 24, 62.944,
310.185

 74, 62.944,
310.185

 14, 62.944,
310.185


 84, 62.944,
310.185

 4, 62.944, 310.185

 94, 62.944,
310.185

 0, 62.944, 310.185

 44, 62.944,

 44, 62.944,

310.185

39, 73.934,
310.709

35, 83.876,
311.067

31, 91.965,
311.137

28, 97.441,
310.807

27, 99.168,
310.664

310.185

49, 51.496,
309.586

55, 39.971,
308.971

60, 28.584,
308.375

66, 17.452,
307.817

72, 6.631, 307.303

77, 3.858, 126.887

83, 14.013,
126.466

88, 23.842,
126.110

■ 94, 33.358,
125.799

Harmonies

Complementary

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



44, 62.944, 310.185



70, 57.137, 124.444

Rectangle

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



44, 62.944, 310.185



44, 62.944, 0.185



44, 62.944, 130.185



44, 62.944, 180.185

Sweetspot

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



44, 62.943, 310.185



83, 22.557, 307.871



56, 29.995, 258.605



42, 15.123, 307.979



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



44, 62.943, 310.185



49, 93.478, 310.832



50, 65.696, 325.233



36, 5.982, 307.457



22, 87.196, 310.811



1, 15.820, 303.034

Inverse Universe

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



49, 49.897, 346.388



59, 71.194, 348.497



67, 65.745, 138.452



36, 5.064, 341.351



33, 59.546, 356.108



3, 12.643, 347.456

Previews

White Background



This preview shows how the CIELCh color 44, 62.944, 310.185 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 44, 62.944, 310.185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

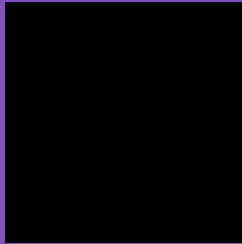
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 62.944, 310.185

Background



This preview shows how black text looks on a background with the CIELCh color 44, 62.944, 310.185.



This preview shows how white text looks on a background with the CIELCh color 44, 62.944, 310.185.

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


44, 62.944, 310.185

Protanopia

44, 62.225, 287.161

Deuteranopia

44, 45.869, 278.974



Tritanopia
44, 6.607, 333.792

Trichromacy



Original Color
44, 62.944, 310.185

Protanomaly
43, 62.095, 293.140

Deuteranomaly
43, 51.564, 291.028

Tritanomaly
44, 27.284, 311.697

Monochromacy



Original Color
44, 62.944, 310.185

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 23.757, 308.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 62.944, 310.185 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(127, 81, 185)` looks like.

```
.text, #text, p{  
    color:rgb(127, 81, 185)  
}
```

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(127, 81, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 81, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 62.944, 310.185 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(127, 81, 185) }
```

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

```
.border{ border-color:rgb(127, 81, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 81, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 81, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 81, 185);  
box-shadow:4px 4px 4px 4px rgb(127, 81,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 62.944, 310.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 81, 185) }
```

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

```
.background{ background-color: rgb(127, 81,  
185) }
```

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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