

Converting Colors

CIELCh(43, 48.902, 311.282)

Have a look what the booklet for
CIELCh(43, 48.902, 311.282)
contains.

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Color

CIELCh(43, 48.966, 311.284)

Conversions

Conversions Part 1

Format	Color
Hex	7B54A3
RGB	123, 84, 163
RGB Percent	48%, 33%, 64%
CMY	0.5182, 0.6711, 0.3614
CMYK	0.25, 0.49, 0.00, 0.36
HSL	270°, 32%, 48%
HSV	270°, 49%, 64%
XYZ	17.9035, 13.1578, 36.1746
YIQ	104.6670, -2.1150, 32.8370

Conversions

Conversions Part 2

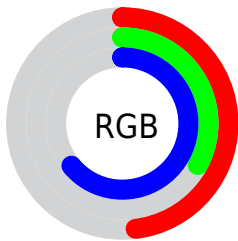
Format	Color
R_{YB}	123, 84, 163
Decimal	8082595
CIE _{Lab}	43.00, 32.31, -36.80
CIE _{LCh}	43, 48.966, 311.284
Yxy	13.1578, 0.2663, 0.1957
Android (android.graphics.Color)	4286272675 (0xFF7B54A3)
YUV	104.6670, 28.7582, 16.0780
Hunter-Lab	36.2736, 24.6229, -33.7365

Details

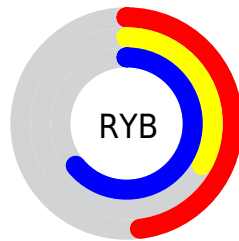
The CIELCh color $43, 48.966, 311.284$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $63, 45.597, 126.629$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 48.485, 311.165$, and $23, 49.099, 311.066$ is the 20% darker color. If you saturate the color by 10%, you get $38, 59.143, 311.783$, and if you desaturate by 10%, it is $48, 38.596, 310.746$.

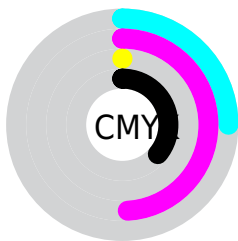
Distribution



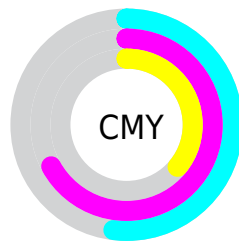
- Red (48%)
- Green (33%)
- Blue (64%)



- Red (48%)
- Yellow (33%)
- Blue (64%)



- Cyan (25%)
- Magenta (49%)
- Yellow (0%)
- Black (36%)



- Cyan (52%)
- Magenta (67%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 48.966, 311.284 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 43, 48.966, 311.284 by changing the saturation by 10% instead.

 43, 48.966,
311.284

 43, 48.966,
311.284

 100, 48.966,
311.284

 33, 48.966,
311.284

 63, 48.966,
311.284

 23, 48.966,
311.284

 73, 48.966,
311.284

 13, 48.966,
311.284

 83, 48.966,
311.284

 3, 48.966, 311.284

 93, 48.966,
311.284

 0, 48.966, 311.284

 43, 48.966,

 43, 48.966,

311.284

■ 38, 59.143,
311.783

■ 34, 68.755,
312.183

■ 31, 77.250,
312.395

■ 27, 83.942,
312.312

■ 25, 88.573,
311.911

■ 25, 89.249,
311.860

311.284

■ 48, 38.596,
310.746

■ 53, 28.269,
310.207

■ 58, 18.117,
309.691

■ 63, 8.211, 309.206

■ 68, 1.416, 128.854

■ 73, 10.753,
128.401

■ 78, 19.801,
128.049

■ 83, 28.569,
127.741

■ 88, 37.068,
127.471

Harmonies

Complementary

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



43, 48.966, 311.284



63, 45.597, 126.629

Rectangle

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



43, 48.966, 311.284



43, 48.966, 1.284



43, 48.966, 131.284



43, 48.966, 181.284

Sweetspot

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



43, 48.965, 311.284



75, 18.102, 309.531



51, 25.033, 262.360



39, 12.483, 309.630



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



43, 48.965, 311.284



50, 72.572, 311.810



48, 52.488, 326.435



32, 5.479, 309.243



22, 82.030, 311.968



1, 8.345, 307.198

Inverse Universe

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



46, 38.327, 348.281



55, 55.598, 349.911



61, 52.644, 140.277



32, 4.434, 344.015



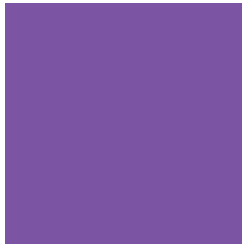
31, 55.909, 0.520



1, 6.609, 345.933

Previews

White Background



This preview shows how the CIELCh color 43, 48.966, 311.284 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 CIE LCh color 43, 48.966, 311.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

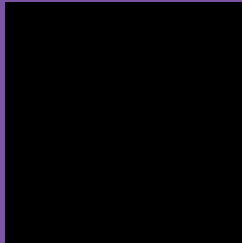
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 48.966, 311.284

Background



This preview shows how black text looks on a background with the CIELCh color 43, 48.966, 311.284.



This preview shows how white text looks on a background with the CIELCh color 43, 48.966, 311.284.

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


43, 48.966, 311.284

Protanopia

43, 47.023, 286.424

Deuteranopia

43, 34.882, 279.997



Tritanopia
43, 7.535, 346.553

Trichromacy



Original Color
43, 48.966, 311.284

Protanomaly
43, 47.485, 294.557

Deuteranomaly
43, 39.124, 293.329

Tritanomaly
43, 21.986, 317.665

Monochromacy



Original Color
43, 48.966, 311.284

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 18.335, 309.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 48.966, 311.284 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(123, 84, 163)` looks like.

```
.text, #text, p{  
    color:rgb(123, 84, 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(123, 84, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 84, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 48.966, 311.284 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(123, 84, 163) }
```

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

```
.border{ border-color:rgb(123, 84, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 84, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 84, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 84, 163);  
box-shadow:4px 4px 4px 4px rgb(123, 84,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 48.966, 311.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 84, 163) }
```

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

```
.background{ background-color: rgb(123, 84,  
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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