

Converting Colors

CIELCh(50, 15.313, 307.810)

Have a look what the booklet for
CIELCh(50, 15.313, 307.810)
contains.

CIELCh(50, 15.313, 307.810)	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(50, 15.313, 307.810)

Conversions

Conversions Part 1

Format	Color
Hex	7D728B
RGB	125, 114, 139
RGB Percent	49%, 45%, 55%
CMY	0.5079, 0.5510, 0.4529
CMYK	0.10, 0.18, 0.00, 0.45
HSL	266°, 10%, 50%
HSV	266°, 18%, 55%
XYZ	19.2973, 18.4187, 27.1553
YIQ	120.1390, -1.4690, 10.1070

Conversions

Conversions Part 2

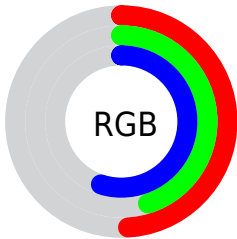
Format	Color
R_{YB}	125, 114, 139
Decimal	8221323
CIE Lab	50.00, 9.39, -12.10
CIE LCh	50, 15.313, 307.810
Yxy	18.4187, 0.2975, 0.2839
Android (android.graphics.Color)	4286411403 (0xFF7D728B)
YUV	120.1390, 9.2985, 4.2631
Hunter-Lab	42.9170, 5.1564, -7.4734

Details

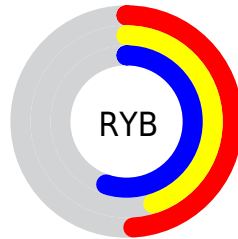
The CIELCh color $50, 15.313, 307.810$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 14.907, 126.123$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 15.498, 307.776$, and $30, 15.379, 307.992$ is the 20% darker color. If you saturate the color by 10%, you get $46, 24.186, 308.361$, and if you desaturate by 10%, it is $54, 6.675, 307.299$.

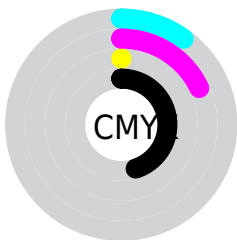
Distribution



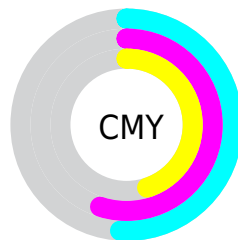
- Red (49%)
- Green (45%)
- Blue (55%)



- Red (49%)
- Yellow (45%)
- Blue (55%)



- Cyan (10%)
- Magenta (18%)
- Yellow (0%)
- Black (45%)





- Cyan (51%)
- Magenta (55%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 15.313, 307.810 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 50, 15.313, 307.810 by changing the saturation by 10% instead.


 50, 15.313,
307.810


 50, 15.313,
307.810


 100, 15.313,
307.810


 40, 15.313,
307.810


 70, 15.313,
307.810


 30, 15.313,
307.810


 80, 15.313,
307.810


 20, 15.313,
307.810

 90, 15.313,
307.810

 10, 15.313,
307.810

 0, 15.313, 307.810

 50, 15.313,
307.810

 50, 15.313,
307.810

46, 24.186,
308.361

54, 6.675, 307.299

41, 33.254,
308.948

59, 1.703, 126.901

63, 9.821, 126.461

37, 42.422,
309.554

68, 17.684,
126.101

33, 51.518,
310.142

72, 25.302,
125.788

29, 60.251,
310.656

77, 32.685,
125.515

25, 68.163,
311.010

81, 39.846,
125.278

22, 74.643,
311.091

86, 46.798,
125.074

20, 79.463,
310.888

90, 53.554,
124.899

20, 80.477,

310.873

Harmonies

Complementary

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



50, 15.313, 307.810



57, 14.907, 126.123

Rectangle

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



50, 15.313, 307.810



50, 15.313, 357.810



50, 15.313, 127.810



50, 15.313, 177.810

Sweetspot

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



50, 15.312, 307.809



71, 5.186, 307.160



53, 8.084, 250.150



37, 3.569, 307.191



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 15.312, 307.809



61, 23.390, 308.054



51, 17.200, 323.508



27, 4.706, 307.359



18, 77.528, 310.926



0, 2.157, 306.944

Inverse Universe

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



51, 12.927, 341.950



63, 19.681, 342.351



56, 17.148, 141.656



27, 3.993, 341.206



28, 53.165, 355.364



0, 1.836, 340.552

Previews

White Background



This preview shows how the CIELCh color 50, 15.313, 307.810 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 50, 15.313, 307.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

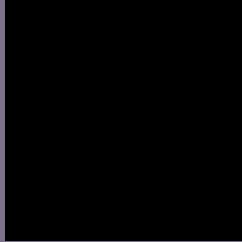
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 15.313, 307.810

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.313, 307.810.



This preview shows how white text looks on a background with the CIELCh color 50, 15.313, 307.810.

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
50, 15.313, 307.810

Protanopia
50, 14.090, 286.004

Deuteranopia
50, 13.649, 299.822



Tritanopia
50, 5.809, 314.931

Trichromacy



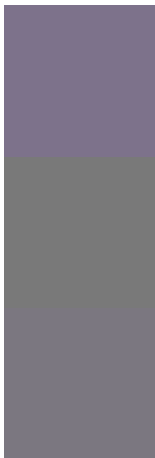
Original Color
50, 15.313, 307.810

Protanomaly
50, 14.072, 293.494

Deuteranomaly
50, 14.449, 304.029

Tritanomaly
50, 9.367, 310.697

Monochromacy



Original Color
50, 15.313, 307.810

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 5.511, 307.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.313, 307.810 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(125, 114, 139)` looks like.

```
.text, #text, p{  
    color:rgb(125, 114, 139)  
}
```

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(125, 114, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 114, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.313, 307.810 is called "border". The border property can be set on classes, ids or directly on the HTML element.

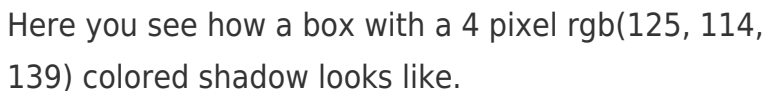
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 114, 139) }
```

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

```
.border{ border-color:rgb(125, 114, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 114, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 114, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 114, 139); box-shadow:4px 4px 4px 4px rgb(125, 114, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.313, 307.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 114, 139) }
```

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

```
.background{ background-color: rgb(125,  
114, 139) }
```

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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