

Converting Colors

CIELCh(50, 15.228, 302.326)

Have a look what the booklet for
CIELCh(50, 15.228, 302.326)
contains.

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Color

CIELCh(50, 15.592, 303.197)

Conversions

Conversions Part 1

Format	Color
Hex	7B738D
RGB	123, 115, 141
RGB Percent	48%, 45%, 55%
CMY	0.5174, 0.5487, 0.4468
CMYK	0.13, 0.18, 0.00, 0.45
HSL	258°, 10%, 50%
HSV	258°, 18%, 55%
XYZ	19.1302, 18.4187, 27.7743
YIQ	120.3560, -3.5780, 9.7820

Conversions

Conversions Part 2

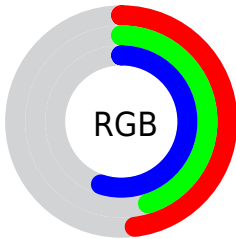
Format	Color
R_{YB}	123, 115, 141
Decimal	8090509
CIE _{Lab}	50.00, 8.54, -13.05
CIE _{LCh}	50, 15.592, 303.197
Yxy	18.4187, 0.2929, 0.2820
Android (android.graphics.Color)	4286280589 (0xFF7B738D)
YUV	120.3560, 10.1775, 2.3188
Hunter-Lab	42.9170, 4.4614, -8.3284

Details

The CIELCh color $50, 15.592, 303.197$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 15.069, 121.075$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 15.746, 303.445$, and $30, 15.707, 303.111$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.456, 303.909$, and if you desaturate by 10%, it is $55, 7.013, 302.559$.

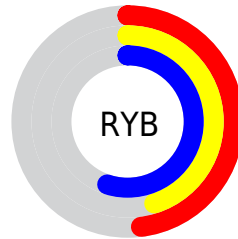
Distribution



Red (48%)

Green (45%)

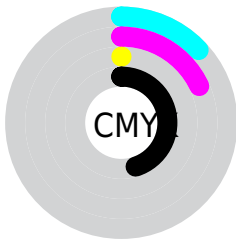
Blue (55%)



Red (48%)

Yellow (45%)

Blue (55%)

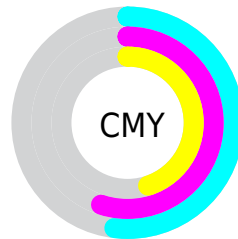


Cyan (13%)

Magenta (18%)

Yellow (0%)

Black (45%)



Cyan (52%)


Magenta (55%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 15.592, 303.197 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, 15.592, 303.197 by changing the saturation by 10% instead.


 50, 15.592,
303.197


 50, 15.592,
303.197


 100, 15.592,
303.197


 40, 15.592,
303.197


 70, 15.592,
303.197

 30, 15.592,
303.197


 80, 15.592,
303.197


 20, 15.592,
303.197

 90, 15.592,
303.197

 10, 15.592,
303.197

 0, 15.592, 303.197

 50, 15.592,
303.197

 50, 15.592,
303.197

45, 24.456,
303.909

55, 7.013, 302.559

41, 33.588,
304.698

59, 1.274, 122.038

36, 42.921,
305.549

64, 9.280, 121.524

32, 52.317,
306.431

69, 17.016,
121.098

27, 61.501,
307.282

73, 24.498,
120.730

24, 69.990,
307.999

78, 31.739,
120.412

20, 77.055,
308.433

82, 38.756,
120.138

18, 82.395,
308.578

87, 45.561,
119.903

18, 83.254,

91, 52.168,
119.701

308.630

Harmonies

Complementary

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



50, 15.592, 303.197



57, 15.069, 121.075

Rectangle

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



50, 15.592, 303.197



50, 15.592, 353.197



50, 15.592, 123.197



50, 15.592, 173.197

Sweetspot

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



50, 15.591, 303.196



71, 6.166, 302.422



54, 8.010, 233.101



37, 4.079, 302.454



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, 15.591, 303.196



62, 23.232, 303.474



51, 17.198, 319.596



28, 4.750, 302.605



17, 80.662, 308.668



0, 3.162, 302.087

Inverse Universe

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



51, 14.696, 335.840



64, 21.785, 336.138



56, 17.051, 137.946



28, 4.520, 335.173



29, 57.596, 344.877



1, 3.030, 334.595

Previews

White Background



This preview shows how the CIELCh color 50, 15.592, 303.197 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 15.592, 303.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

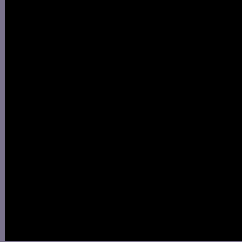
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 15.592, 303.197

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.592, 303.197.



This preview shows how white text looks on a background with the CIELCh color 50, 15.592, 303.197.

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, 15.592, 303.197

Protanopia

50, 14.670, 286.335

Deuteranopia

50, 14.761, 297.849



Tritanopia
50, 5.417, 303.415

Trichromacy



Original Color
50, 15.592, 303.197

Protanomaly
50, 14.646, 292.058

Deuteranomaly
50, 14.807, 299.292

Tritanomaly
50, 9.027, 303.664

Monochromacy



Original Color
50, 15.592, 303.197

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.989, 302.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.592, 303.197 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, 115, 141)` looks like.

```
.text, #text, p{  
    color:rgb(123, 115, 141)  
}
```

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, 115, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 115, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.592, 303.197 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, 115, 141) }
```

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

```
.border{ border-color:rgb(123, 115, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 115, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 115, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 115, 141);  
box-shadow:4px 4px 4px 4px rgb(123, 115,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.592, 303.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 115, 141) }
```

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

```
.background{ background-color: rgb(123,  
115, 141) }
```

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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