

Converting Colors

CIELCh(50, 14.449, 304.029)

Have a look what the booklet for
CIELCh(50, 14.449, 304.029)
contains.

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Color

CIELCh(50, 14.449, 304.029)

Conversions

Conversions Part 1

Format	Color
Hex	7B738B
RGB	123, 115, 139
RGB Percent	48%, 45%, 55%
CMY	0.5167, 0.5480, 0.4539
CMYK	0.11, 0.17, 0.00, 0.45
HSL	260°, 9%, 50%
HSV	260°, 17%, 55%
XYZ	19.0420, 18.4187, 27.0756
YIQ	120.1280, -2.9360, 9.1600

Conversions

Conversions Part 2

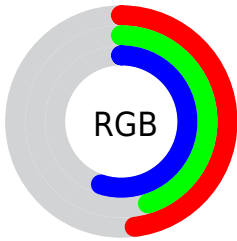
Format	Color
R_{YB}	123, 115, 139
Decimal	8090507
CIE Lab	50.00, 8.09, -11.97
CIE LCh	50, 14.449, 304.029
Yxy	18.4187, 0.2951, 0.2854
Android (android.graphics.Color)	4286280587 (0xFF7B738B)
YUV	120.1280, 9.3039, 2.5187
Hunter-Lab	42.9170, 4.0945, -7.3632

Details

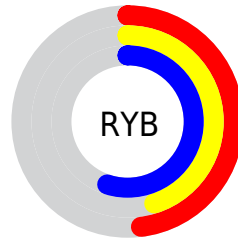
The CIELCh color $50, 14.449, 304.029$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $57, 14.011, 122.140$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 14.678, 304.274$, and $30, 14.456, 303.911$ is the 20% darker color. If you saturate the color by 10%, you get $45, 23.203, 304.696$, and if you desaturate by 10%, it is $55, 5.970, 303.428$.

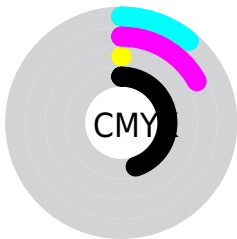
Distribution



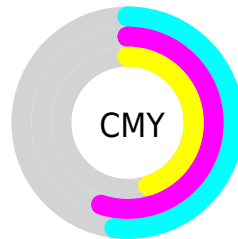
- Red (48%)
- Green (45%)
- Blue (55%)



- Red (48%)
- Yellow (45%)
- Blue (55%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (45%)





- Cyan (52%)
- Magenta (55%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 14.449, 304.029 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, 14.449, 304.029 by changing the saturation by 10% instead.


 50, 14.449,
304.029


 50, 14.449,
304.029


 100, 14.449,
304.029


 40, 14.449,
304.029


 70, 14.449,
304.029

 30, 14.449,
304.029


 80, 14.449,
304.029


 20, 14.449,
304.029

 90, 14.449,
304.029

 10, 14.449,
304.029

 0, 14.449, 304.029

 50, 14.449,
304.029

 50, 14.449,
304.029

45, 23.203,
304.696

41, 32.214,
305.431

36, 41.417,
306.221

32, 50.679,
307.036

28, 59.744,
307.819

24, 68.166,
308.477

21, 75.273,
308.872

18, 80.605,
308.947

18, 82.081,

55, 5.970, 303.428

59, 2.227, 122.931

64, 10.150,
122.455

68, 17.811,
122.052

73, 25.222,
121.703

77, 32.398,
121.401

82, 39.354,
121.142

86, 46.102,
120.919

91, 52.656,
120.728

Harmonies

Complementary

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



50, 14.449, 304.029



57, 14.011, 122.140

Rectangle

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



50, 14.449, 304.029



50, 14.449, 354.029



50, 14.449, 124.029



50, 14.449, 174.029

Sweetspot

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



50, 14.448, 304.028



71, 5.092, 303.307



54, 7.454, 237.360



37, 3.504, 303.342



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, 14.448, 304.028



62, 21.955, 304.300



51, 16.048, 320.549



27, 4.624, 303.537



17, 79.173, 309.056



0, 2.116, 303.046

Inverse Universe

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



51, 13.350, 336.852



64, 20.189, 337.172



56, 15.940, 138.968



27, 4.305, 336.251



29, 55.956, 346.719



0, 1.983, 335.663

Previews

White Background



This preview shows how the CIELCh color 50, 14.449, 304.029 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, 14.449, 304.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

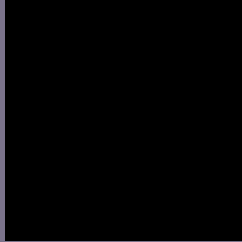
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 14.449, 304.029

Background



This preview shows how black text looks on a background with the CIELCh color 50, 14.449, 304.029.



This preview shows how white text looks on a background with the CIELCh color 50, 14.449, 304.029.

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, 14.449, 304.029

Protanopia

50, 13.510, 285.650

Deuteranopia

50, 13.649, 299.822



Tritanopia
50, 6.091, 305.869

Trichromacy



Original Color
50, 14.449, 304.029

Protanomaly
50, 13.477, 291.913

Deuteranomaly
50, 13.709, 301.390

Tritanomaly
50, 9.134, 306.057

Monochromacy



Original Color
50, 14.449, 304.029

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.417, 303.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 14.449, 304.029 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(123, 115, 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(123, 115, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 115, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 14.449, 304.029 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, 139) }
```

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

```
.border{ border-color:rgb(123, 115, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 115, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 115, 139);  
box-shadow:4px 4px 4px 4px rgb(123, 115,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 14.449, 304.029 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, 139) }
```

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

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