

Converting Colors

CIELCh(50, 12.395, 193.621)

Have a look what the booklet for
CIELCh(50, 12.395, 193.621)
contains.

CIELCh(50, 12.424, 192.668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 12.424, 192.668)

Conversions

Conversions Part 1

Format	Color
Hex	5C7D7B
RGB	92, 125, 123
RGB Percent	36%, 49%, 48%
CMY	0.6387, 0.5092, 0.5171
CMYK	0.26, 0.00, 0.02, 0.51
HSL	176°, 15%, 43%
HSV	176°, 26%, 49%
XYZ	15.3626, 18.4187, 21.5301
YIQ	114.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

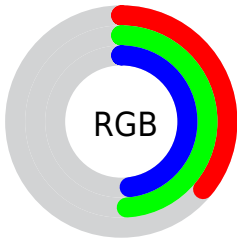
Format	Color
R_{YB}	92, 109, 125
Decimal	6061435
CIE _{Lab}	50.00, -12.12, -2.72
CIE _{LCh}	50, 12.424, 192.668
Yxy	18.4187, 0.2777, 0.3330
Android (android.graphics.Color)	4284251515 (0xFF5C7D7B)
YUV	114.9050, 3.9908, -20.0877
Hunter-Lab	42.9170, -11.2087, 0.2979

Details

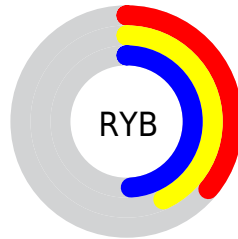
The CIELCh color $50, 12.424, 192.668$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $43, 14.436, 16.666$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 12.663, 190.904$, and $30, 12.568, 191.637$ is the 20% darker color. If you saturate the color by 10%, you get $49, 16.571, 192.012$, and if you desaturate by 10%, it is $51, 7.927, 193.334$.

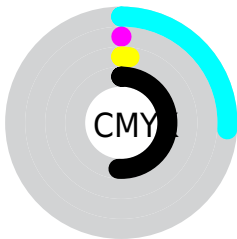
Distribution



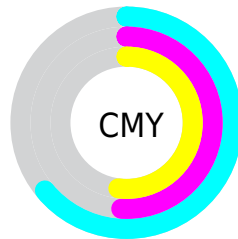
- Red (36%)
- Green (49%)
- Blue (48%)



- Red (36%)
- Yellow (43%)
- Blue (49%)



- Cyan (26%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (64%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 12.424, 192.668 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, 12.424, 192.668 by changing the saturation by 10% instead.

 50, 12.424,
192.668

 50, 12.424,
192.668

 100, 12.424,
192.668

 40, 12.424,
192.668

 70, 12.424,
192.668

 30, 12.424,
192.668

 80, 12.424,
192.668

 20, 12.424,
192.668

 90, 12.424,
192.668

 10, 12.424,
192.668

 0, 12.424, 192.668

 50, 12.424,
192.668

 50, 12.424,
192.668

■ 49, 16.571,
192.012

■ 51, 7.927, 193.334

■ 49, 20.291,
191.369

■ 52, 3.153, 194.067

■ 53, 1.827, 14.401

■ 48, 23.514,
190.730

■ 54, 6.951, 15.227

■ 48, 26.185,
190.088

■ 55, 12.165, 15.922

■ 57, 17.427, 16.602

■ 47, 28.271,
189.432

■ 58, 22.702, 17.274

■ 47, 29.768,
188.750

■ 59, 27.964, 17.936

■ 61, 33.192, 18.588

■ 47, 30.764,
188.039

■ 47, 31.098,
187.786

Harmonies

Complementary

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



50, 12.424, 192.668



43, 14.436, 16.666

Rectangle

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



50, 12.424, 192.668



50, 12.424, 242.668



50, 12.424, 12.668



50, 12.424, 62.668

Sweetspot

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



50, 12.425, 192.664



66, 4.900, 193.920



49, 23.100, 141.103



34, 3.456, 193.821



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 12.425, 192.664



63, 18.349, 192.245



46, 10.768, 251.423



26, 2.816, 193.849



48, 31.522, 187.770



0, 0.000, 0.000

Inverse Universe

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



43, 14.436, 16.666



52, 22.205, 17.462



46, 11.872, 65.065



25, 2.957, 14.957



25, 59.339, 35.911



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 12.424, 192.668 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, 12.424, 192.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

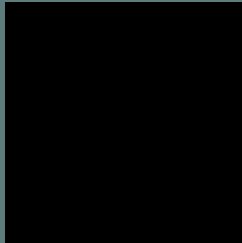
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 12.424, 192.668

Background



This preview shows how black text looks on a background with the CIELCh color 50, 12.424, 192.668.



This preview shows how white text looks on a background with the CIELCh color 50, 12.424, 192.668.

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, 12.424, 192.668

Protanopia

50, 1.005, 343.503

Deuteranopia

50, 7.599, 329.911



Tritanopia
50, 11.896, 224.843

Trichromacy



Original Color
50, 12.424, 192.668

Protanomaly
50, 4.317, 199.020

Deuteranomaly
50, 3.492, 256.481

Tritanomaly
50, 11.635, 212.953

Monochromacy



Original Color
50, 12.424, 192.668

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 4.776, 191.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 12.424, 192.668 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(92, 125, 123)` looks like.

```
.text, #text, p{  
    color:rgb(92, 125, 123)  
}
```

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(92, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 125, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 12.424, 192.668 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(92, 125, 123) }
```

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

```
.border{ border-color:rgb(92, 125, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 125, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(92, 125,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 12.424, 192.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 125, 123) }
```

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

```
.background{ background-color: rgb(92, 125,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor