

Converting Colors

CIELCh(50, 15.659, 244.654)

Have a look what the booklet for
CIELCh(50, 15.659, 244.654)
contains.

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Color

CIELCh(50, 15.947, 246.186)

Conversions

Conversions Part 1

Format	Color
Hex	5A7B8F
RGB	90, 123, 143
RGB Percent	35%, 48%, 56%
CMY	0.6459, 0.5165, 0.4380
CMYK	0.37, 0.14, 0.00, 0.44
HSL	203°, 23%, 46%
HSV	203°, 37%, 56%
XYZ	16.3444, 18.4187, 28.7996
YIQ	115.4130, -26.0880, -0.7760

Conversions

Conversions Part 2

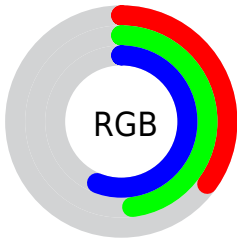
Format	Color
R_{YB}	90, 110, 143
Decimal	5929871
CIE _{Lab}	50.00, -6.44, -14.59
CIE _{LCh}	50, 15.947, 246.186
Yxy	18.4187, 0.2571, 0.2898
Android (android.graphics.Color)	4284119951 (0xFF5A7B8F)
YUV	115.4130, 13.6004, -22.2872
Hunter-Lab	42.9170, -7.1252, -9.7449

Details

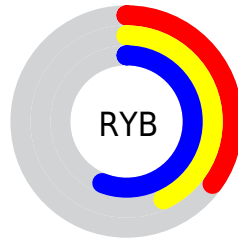
The CIELCh color $50, 15.947, 246.186$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $49, 19.106, 57.865$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 16.083, 247.656$, and $30, 16.225, 247.435$ is the 20% darker color. If you saturate the color by 10%, you get $48, 19.770, 248.299$, and if you desaturate by 10%, it is $53, 11.884, 244.454$.

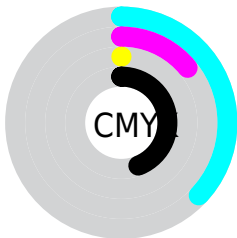
Distribution



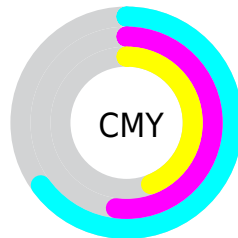
- Red (35%)
- Green (48%)
- Blue (56%)



- Red (35%)
- Yellow (43%)
- Blue (56%)



- Cyan (37%)
- Magenta (14%)
- Yellow (0%)
- Black (44%)



- Cyan (65%)
- Magenta (52%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 15.947, 246.186 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, 15.947, 246.186 by changing the saturation by 10% instead.

■ 50, 15.947,
246.186

■ 50, 15.947,
246.186

■ 100, 15.947,
246.186

■ 40, 15.947,
246.186

■ 70, 15.947,
246.186

■ 30, 15.947,
246.186

■ 80, 15.947,
246.186

■ 20, 15.947,
246.186

■ 90, 15.947,
246.186

■ 10, 15.947,
246.186

■ 0, 15.947, 246.186

■ 50, 15.947,
246.186

■ 50, 15.947,
246.186

48, 19.770,
248.299

53, 11.884,
244.454

45, 23.328,
250.876

55, 7.617, 243.049

43, 26.614,
253.982

58, 3.184, 241.948

60, 1.381, 60.613

41, 29.648,
257.670

63, 6.044, 60.017

39, 32.491,
261.939

66, 10.779, 59.378

68, 15.562, 58.831

37, 35.263,
266.627

71, 20.374, 58.364

36, 36.131,
267.972

74, 25.198, 57.966

Harmonies

Complementary

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



50, 15.947, 246.186



49, 19.106, 57.865

Rectangle

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



50, 15.947, 246.186



50, 15.947, 296.186



50, 15.947, 66.186



50, 15.947, 116.186

Sweetspot

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



50, 15.946, 246.183



72, 6.161, 242.373



55, 28.179, 153.932



38, 4.164, 242.505



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



50, 15.946, 246.183



62, 23.037, 247.826



42, 27.737, 289.221



29, 2.555, 242.157



34, 34.492, 267.669



1, 1.749, 241.158

Inverse Universe

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



45, 28.522, 340.547



55, 41.723, 341.325



56, 26.048, 100.173



28, 4.301, 338.212



29, 55.371, 350.190



1, 2.881, 337.592

Previews

White Background



This preview shows how the CIELCh color 50, 15.947, 246.186 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 50, 15.947, 246.186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

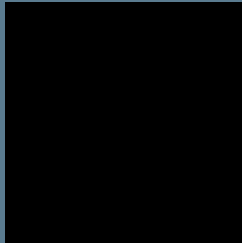
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 15.947, 246.186

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.947, 246.186.

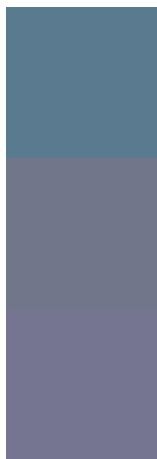


This preview shows how white text looks on a background with the CIELCh color 50, 15.947, 246.186.

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, 15.947, 246.186

Protanopia

50, 12.351, 284.863

Deuteranopia

50, 17.016, 293.586



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 15.947, 246.186

Protanomaly
50, 13.263, 267.648

Deuteranomaly
50, 15.121, 275.524

Tritanomaly
50, 14.451, 233.152

Monochromacy



Original Color
50, 15.947, 246.186

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.086, 241.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.947, 246.186 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(90, 123, 143)` looks like.

```
.text, #text, p{  
    color:rgb(90, 123, 143)  
}
```

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(90, 123, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 123, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.947, 246.186 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(90, 123, 143) }
```

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

```
.border{ border-color:rgb(90, 123, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 123, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 123, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 123, 143);  
box-shadow:4px 4px 4px 4px rgb(90, 123,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.947, 246.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 123, 143) }
```

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

```
.background{ background-color: rgb(90, 123,  
143) }
```

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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