

Converting Colors

CIELCh(50, 19.823, 222.866)

Have a look what the booklet for
CIELCh(50, 19.823, 222.866)
contains.

CIELCh(50, 19.846, 222.341)	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, 19.846, 222.341)

Conversions

Conversions Part 1

Format	Color
Hex	467F8D
RGB	70, 127, 141
RGB Percent	27%, 50%, 55%
CMY	0.7253, 0.5018, 0.4469
CMYK	0.50, 0.10, 0.00, 0.45
HSL	192°, 34%, 41%
HSV	192°, 50%, 55%
XYZ	14.9355, 18.4187, 27.9849
YIQ	111.5530, -38.4660, -7.7300

Conversions

Conversions Part 2

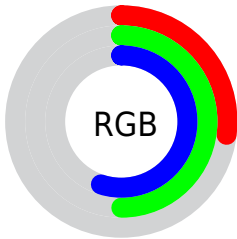
Format	Color
R_{YB}	70, 102, 141
Decimal	4620173
CIE _{Lab}	50.00, -14.67, -13.37
CIE _{LCh}	50, 19.846, 222.341
Yxy	18.4187, 0.2435, 0.3003
Android (android.graphics.Color)	4282810253 (0xFF467F8D)
YUV	111.5530, 14.5174, -36.4420
Hunter-Lab	42.9170, -12.9850, -8.6194

Details

The CIELCh color **50, 19.846, 222.341** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **42, 28.680, 39.547**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 19.972, 222.570**, and **30, 19.839, 222.181** is the 20% darker color. If you saturate the color by 10%, you get **49, 22.543, 223.766**, and if you desaturate by 10%, it is **52, 16.653, 221.256**.

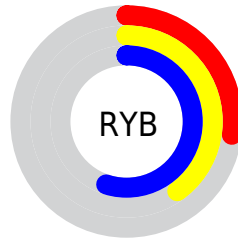
Distribution



Red (27%)

Green (50%)

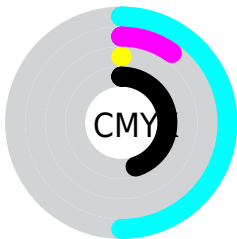
Blue (55%)



Red (27%)

Yellow (40%)

Blue (55%)

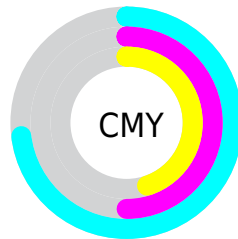


Cyan (50%)

Magenta (10%)

Yellow (0%)

Black (45%)



Cyan (73%)


Magenta (50%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.846, 222.341 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, 19.846, 222.341 by changing the saturation by 10% instead.


 50, 19.846,
222.341


 50, 19.846,
222.341


 100, 19.846,
222.341


 40, 19.846,
222.341


 70, 19.846,
222.341

 30, 19.846,
222.341


 80, 19.846,
222.341


 20, 19.846,
222.341

 90, 19.846,
222.341

 10, 19.846,
222.341

 0, 19.846, 222.341

 50, 19.846,
222.341

 50, 19.846,
222.341

49, 22.543,
223.766

52, 16.653,
221.256

47, 24.703,
225.611

53, 13.022,
220.455

46, 26.316,
227.950

55, 9.019, 219.883

57, 4.711, 219.515

45, 27.414,
230.851

59, 0.158, 221.821

44, 28.187,
234.030

61, 4.586, 38.901

63, 9.472, 38.870

65, 14.463, 38.872

67, 19.526, 38.915

Harmonies

Complementary

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



50, 19.846, 222.341



42, 28.680, 39.547

Rectangle

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



50, 19.846, 222.341



50, 19.846, 272.341



50, 19.846, 42.341



50, 19.846, 92.341

Sweetspot

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



50, 19.846, 222.339



71, 8.369, 219.672



53, 42.973, 145.660



37, 5.661, 219.744



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, 19.846, 222.339



62, 27.646, 223.922



40, 30.069, 281.200



29, 2.607, 219.489



42, 27.318, 233.864



1, 1.801, 219.166

Inverse Universe

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



41, 42.470, 333.664



49, 60.955, 334.445



51, 29.887, 86.028



28, 4.891, 330.951



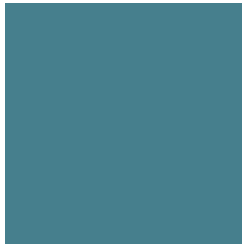
30, 62.103, 337.685



1, 3.283, 330.427

Previews

White Background



This preview shows how the CIE LCh color 50, 19.846, 222.341 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, 19.846, 222.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

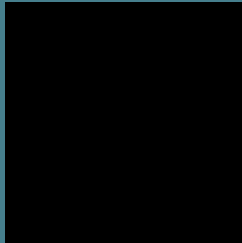
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 19.846, 222.341

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.846, 222.341.



This preview shows how white text looks on a background with the CIELCh color 50, 19.846, 222.341.

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, 19.846, 222.341

Protanopia

50, 10.553, 289.497

Deuteranopia

50, 15.847, 293.542



Tritanopia
50, 19.907, 214.831

Trichromacy



Original Color
50, 19.846, 222.341

Protanomaly
50, 12.064, 250.167

Deuteranomaly
50, 14.481, 262.456

Tritanomaly
50, 19.982, 216.566

Monochromacy



Original Color
50, 19.846, 222.341

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.252, 224.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.846, 222.341 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(70, 127, 141)` looks like.

```
.text, #text, p{  
    color:rgb(70, 127, 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(70, 127, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 127, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.846, 222.341 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(70, 127, 141) }
```

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

```
.border{ border-color:rgb(70, 127, 141) }
```

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

Here you see how a box with a 4 pixel rgb(70, 127, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 127, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 127, 141);  
box-shadow:4px 4px 4px 4px rgb(70, 127,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.846, 222.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 127, 141) }
```

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

```
.background{ background-color: rgb(70, 127,  
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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