

Converting Colors

CIELCh(50, 19.999, 197.363)

Have a look what the booklet for
CIELCh(50, 19.999, 197.363)
contains.

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Color

CIELCh(50, 19.828, 197.386)

Conversions

Conversions Part 1

Format	Color
Hex	468080
RGB	70, 128, 128
RGB Percent	27%, 50%, 50%
CMY	0.7240, 0.4966, 0.4966
CMYK	0.45, 0.00, 0.00, 0.50
HSL	180°, 29%, 39%
HSV	180°, 45%, 50%
XYZ	14.2403, 18.4187, 23.3532
YIQ	110.6580, -34.5680, -12.2960

Conversions

Conversions Part 2

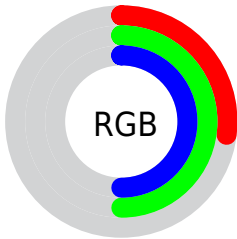
Format	Color
R_{YB}	70, 99, 128
Decimal	4620416
CIE _{Lab}	50.00, -18.92, -5.92
CIE _{LCh}	50, 19.828, 197.386
Yxy	18.4187, 0.2542, 0.3288
Android (android.graphics.Color)	4282810496 (0xFF468080)
YUV	110.6580, 8.5496, -35.6571
Hunter-Lab	42.9170, -15.8764, -2.2207

Details

The CIELCh color **50, 19.828, 197.386** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **37, 27.064, 23.877**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 19.922, 197.828**, and **30, 20.005, 196.577** is the 20% darker color. If you saturate the color by 10%, you get **49, 22.996, 197.069**, and if you desaturate by 10%, it is **51, 16.134, 197.757**.

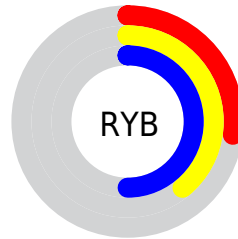
Distribution



Red (27%)

Green (50%)

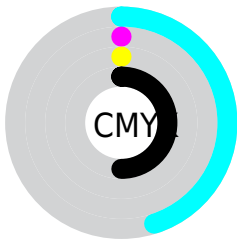
Blue (50%)



Red (27%)

Yellow (39%)

Blue (50%)

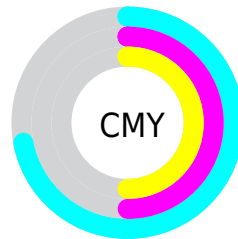


Cyan (45%)

Magenta (0%)

Yellow (0%)

Black (50%)



Cyan (72%)


Magenta (50%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.828, 197.386 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, 19.828, 197.386 by changing the saturation by 10% instead.


 50, 19.828,
197.386


 50, 19.828,
197.386


 100, 19.828,
197.386


 40, 19.828,
197.386


 70, 19.828,
197.386

 30, 19.828,
197.386


 80, 19.828,
197.386


 20, 19.828,
197.386

 90, 19.828,
197.386

 10, 19.828,
197.386

 0, 19.828, 197.386

 50, 19.828,
197.386

 50, 19.828,
197.386

■ 49, 22.996,
197.069

■ 51, 16.134,
197.757

■ 49, 25.587,
196.815

■ 51, 11.983,
198.186

■ 49, 27.571,
196.623

■ 52, 7.448, 198.673

■ 49, 28.950,
196.490

■ 53, 2.605, 199.278

■ 48, 29.785,
196.410

■ 54, 2.475, 19.503

■ 48, 30.127,
196.377

■ 55, 7.726, 20.176

■ 57, 13.094, 20.779

■ 58, 18.533, 21.382

■ 59, 24.006, 21.989

Harmonies

Complementary

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



50, 19.828, 197.386



37, 27.064, 23.877

Rectangle

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



50, 19.828, 197.386



50, 19.828, 247.386



50, 19.828, 17.386



50, 19.828, 67.386

Sweetspot

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



50, 19.828, 197.384



66, 8.485, 198.718



49, 40.610, 140.706



35, 5.874, 198.622



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 19.828, 197.384



63, 27.727, 197.068



41, 19.284, 261.264



26, 2.793, 199.011



48, 29.979, 196.377



0, 0.000, 0.000

Inverse Universe

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



37, 27.064, 23.877



44, 40.994, 25.801



44, 22.151, 68.300



25, 2.951, 19.870



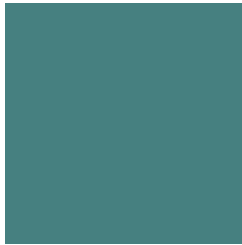
25, 61.099, 38.344



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 19.828, 197.386 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, 19.828, 197.386 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, 19.828, 197.386

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.828, 197.386.



This preview shows how white text looks on a background with the CIELCh color 50, 19.828, 197.386.

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, 19.828, 197.386

Protanopia

50, 2.386, 300.095

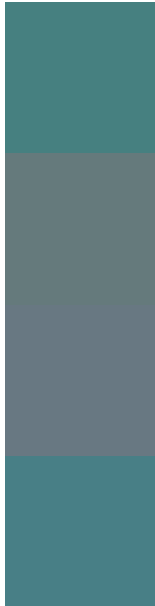
Deuteranopia

50, 10.064, 311.717



Tritanopia
50, 18.674, 216.135

Trichromacy



Original Color
50, 19.828, 197.386

Protanomaly
50, 8.052, 207.011

Deuteranomaly
49, 8.264, 244.340

Tritanomaly
50, 18.762, 210.342

Monochromacy



Original Color
50, 19.828, 197.386

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.101, 198.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.828, 197.386 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, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(70, 128, 128)  
}
```

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, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 128, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.828, 197.386 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, 128, 128) }
```

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

```
.border{ border-color:rgb(70, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(70, 128,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.828, 197.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 128, 128) }
```

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

```
.background{ background-color: rgb(70, 128,  
128) }
```

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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