

Converting Colors

CIELCh(50, 19.794, 205.374)

Have a look what the booklet for
CIELCh(50, 19.794, 205.374)
contains.

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Color

CIELCh(50, 19.788, 206.050)

Conversions

Conversions Part 1

Format	Color
Hex	458085
RGB	69, 128, 133
RGB Percent	27%, 50%, 52%
CMY	0.7291, 0.4978, 0.4782
CMYK	0.48, 0.04, 0.00, 0.48
HSL	185°, 32%, 40%
HSV	185°, 48%, 52%
XYZ	14.4252, 18.4187, 25.0091
YIQ	110.9290, -36.7690, -10.9530

Conversions

Conversions Part 2

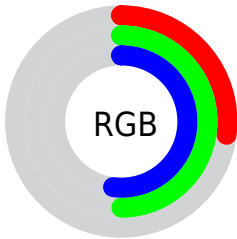
Format	Color
R_{YB}	69, 100, 133
Decimal	4554885
CIE _{Lab}	50.00, -17.78, -8.69
CIE _{LCh}	50, 19.788, 206.050
Yxy	18.4187, 0.2493, 0.3184
Android (android.graphics.Color)	4282744965 (0xFF458085)
YUV	110.9290, 10.8810, -36.7717
Hunter-Lab	42.9170, -15.1074, -4.5084

Details

The CIELCh color **50, 19.788, 206.050** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **38, 28.121, 29.746**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 19.739, 205.933**, and **30, 19.874, 206.092** is the 20% darker color. If you saturate the color by 10%, you get **49, 22.608, 206.307**, and if you desaturate by 10%, it is **51, 16.433, 205.938**.

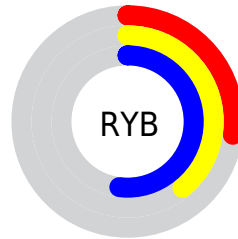
Distribution



Red (27%)

Green (50%)

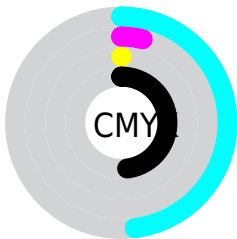
Blue (52%)



Red (27%)

Yellow (39%)

Blue (52%)

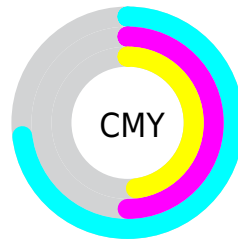


Cyan (48%)

Magenta (4%)

Yellow (0%)

Black (48%)



Cyan (73%)


Magenta (50%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.788, 206.050 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, 19.788, 206.050 by changing the saturation by 10% instead.


 50, 19.788,
206.050


 50, 19.788,
206.050


 100, 19.788,
206.050


 40, 19.788,
206.050


 70, 19.788,
206.050

 30, 19.788,
206.050


 80, 19.788,
206.050


 20, 19.788,
206.050

 90, 19.788,
206.050

 10, 19.788,
206.050

 0, 19.788, 206.050

 50, 19.788,
206.050

 50, 19.788,
206.050

■ 49, 22.608,
206.307

■ 51, 16.433,
205.938

■ 48, 24.843,
206.741

■ 52, 12.612,
205.956

■ 48, 26.465,
207.375

■ 53, 8.396, 206.086

■ 47, 27.481,
208.234

■ 54, 3.859, 206.340

■ 56, 0.930, 26.053

■ 47, 28.023,
209.290

■ 57, 5.911, 26.740

■ 47, 28.119,
209.492

■ 59, 11.030, 27.126

■ 60, 16.243, 27.520

■ 62, 21.516, 27.927

Harmonies

Complementary

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



50, 19.788, 206.050



38, 28.121, 29.746

Rectangle

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



50, 19.788, 206.050



50, 19.788, 256.050



50, 19.788, 26.050



50, 19.788, 76.050

Sweetspot

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



50, 19.788, 206.048



69, 8.154, 206.163



50, 42.635, 142.494



35, 5.576, 206.123



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 19.788, 206.048



63, 27.816, 206.350



40, 23.375, 270.843



27, 2.675, 206.304



46, 27.661, 209.460



1, 0.656, 206.458

Inverse Universe

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



39, 42.123, 329.249



48, 61.370, 329.817



46, 25.266, 76.124



26, 4.998, 327.094



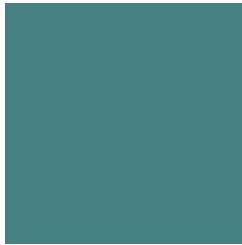
30, 66.073, 331.502



0, 1.190, 326.616

Previews

White Background



This preview shows how the CIELCh color 50, 19.788, 206.050 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, 19.788, 206.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

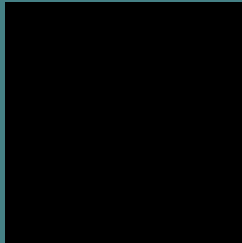
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 19.788, 206.050

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.788, 206.050.



This preview shows how white text looks on a background with the CIELCh color 50, 19.788, 206.050.

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, 19.788, 206.050

Protanopia
50, 5.273, 290.871

Deuteranopia
50, 12.654, 303.912



Tritanopia
50, 19.258, 217.392

Trichromacy



Original Color
50, 19.788, 206.050

Protanomaly
50, 9.059, 225.696

Deuteranomaly
50, 10.615, 255.251

Tritanomaly
50, 19.352, 213.553

Monochromacy



Original Color
50, 19.788, 206.050

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.094, 207.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.788, 206.050 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(69, 128, 133)` looks like.

```
.text, #text, p{  
    color:rgb(69, 128, 133)  
}
```

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(69, 128, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 128, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.788, 206.050 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(69, 128, 133) }
```

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

```
.border{ border-color:rgb(69, 128, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 128, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 128, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 128, 133);  
box-shadow:4px 4px 4px 4px rgb(69, 128,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.788, 206.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 128, 133) }
```

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

```
.background{ background-color: rgb(69, 128,  
133) }
```

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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