

Converting Colors

CIELCh(51, 9.977, 195.280)

Have a look what the booklet for
CIELCh(51, 9.977, 195.280) contains.

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Color

CIELCh(51, 10.226, 195.079)

Conversions

Conversions Part 1

Format	Color
Hex	647F7E
RGB	100, 127, 126
RGB Percent	39%, 50%, 49%
CMY	0.6093, 0.5034, 0.5073
CMYK	0.21, 0.00, 0.01, 0.50
HSL	178°, 12%, 44%
HSV	178°, 21%, 50%
XYZ	16.4992, 19.2686, 22.4634
YIQ	118.8130, -15.7710, -6.0350

Conversions

Conversions Part 2

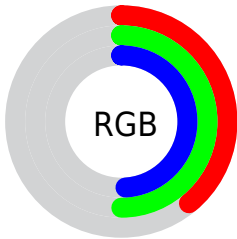
Format	Color
R_{YB}	100, 114, 127
Decimal	6586238
CIE _{Lab}	51.00, -9.87, -2.66
CIE _{LCh}	51, 10.226, 195.079
Yxy	19.2686, 0.2833, 0.3309
Android (android.graphics.Color)	4284776318 (0xFF647F7E)
YUV	118.8130, 3.5432, -16.4990
Hunter-Lab	43.8960, -9.7251, 0.3861

Details

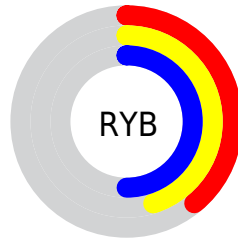
The CIELCh color `51, 10.226, 195.079` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `45, 11.591, 17.969`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 10.432, 195.586`, and `31, 10.388, 194.357` is the 20% darker color. If you saturate the color by 10%, you get `50, 14.553, 194.489`, and if you desaturate by 10%, it is `52, 5.571, 195.699`.

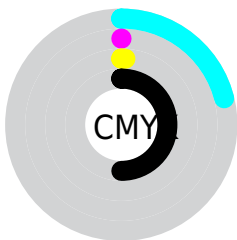
Distribution



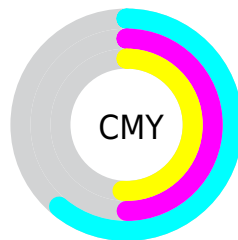
- Red (39%)
- Green (50%)
- Blue (49%)



- Red (39%)
- Yellow (45%)
- Blue (50%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)





- Cyan (61%)
- Magenta (50%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 10.226, 195.079 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 51, 10.226, 195.079 by changing the saturation by 10% instead.


 51, 10.226,
195.079


 51, 10.226,
195.079


 100, 10.226,
195.079


 41, 10.226,
195.079


 71, 10.226,
195.079

 31, 10.226,
195.079

 81, 10.226,
195.079

 21, 10.226,
195.079

 91, 10.226,
195.079

 11, 10.226,
195.079

 1, 10.226, 195.079

 0, 10.226, 195.079

■ 51, 10.226,
195.079

■ 51, 10.226,
195.079

■ 50, 14.553,
194.489

■ 52, 5.571, 195.699

■ 50, 18.473,
193.933

■ 53, 0.660, 196.834

■ 54, 4.439, 16.779

■ 49, 21.915,
193.403

■ 55, 9.668, 17.463

■ 48, 24.815,
192.895

■ 57, 14.976, 18.120

■ 58, 20.323, 18.771

■ 48, 27.132,
192.404

■ 59, 25.678, 19.417

■ 48, 28.848,
191.922

■ 61, 31.016, 20.057

■ 62, 36.318, 20.687

■ 48, 29.982,
191.441

■ 48, 30.699,

Harmonies

Complementary

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



51, 10.226, 195.079



45, 11.591, 17.969

Rectangle

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



51, 10.226, 195.079



51, 10.226, 245.079



51, 10.226, 15.079



51, 10.226, 65.079

Sweetspot

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



51, 10.227, 195.073



67, 3.723, 196.071



50, 18.946, 141.877



35, 2.486, 196.030



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 10.227, 195.073



65, 15.297, 194.759



47, 8.948, 252.634



26, 2.804, 195.850



48, 30.852, 191.022



0, 0.000, 0.000

Inverse Universe

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



45, 11.591, 17.969



56, 17.945, 18.533



48, 9.609, 67.452



25, 2.952, 16.868



25, 60.012, 36.876



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 10.226, 195.079 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 51, 10.226, 195.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

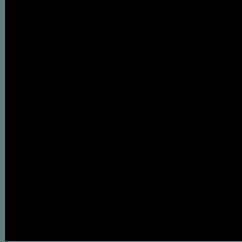
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

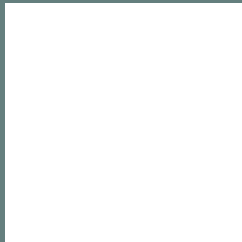
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 10.226, 195.079

Background



This preview shows how black text looks on a background with the CIELCh color 51, 10.226, 195.079.



This preview shows how white text looks on a background with the CIELCh color 51, 10.226, 195.079.

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
51, 10.226, 195.079

Protanopia
51, 1.000, 343.494

Deuteranopia
51, 7.131, 332.883



Tritanopia
51, 10.101, 234.133

Trichromacy



Original Color
51, 10.226, 195.079

Protanomaly
51, 3.149, 199.186

Deuteranomaly
51, 3.576, 277.998

Tritanomaly
51, 9.793, 219.570

Monochromacy



Original Color
51, 10.226, 195.079

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.932, 199.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 10.226, 195.079 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(100, 127, 126)` looks like.

```
.text, #text, p{  
    color:rgb(100, 127, 126)  
}
```

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(100, 127, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 127, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 10.226, 195.079 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(100, 127, 126) }
```

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

```
.border{ border-color:rgb(100, 127, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 127, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 127, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 127, 126);  
box-shadow:4px 4px 4px 4px rgb(100, 127,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 10.226, 195.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 127, 126) }
```

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

```
.background{ background-color: rgb(100,  
127, 126) }
```

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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