

Converting Colors

CIELCh(51, 10.124, 359.892)

Have a look what the booklet for
CIELCh(51, 10.124, 359.892)
contains.

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Color

CIELCh(51, 10.020, 0.296)

Conversions

Conversions Part 1

Format	Color
Hex	8B747A
RGB	139, 116, 122
RGB Percent	55%, 45%, 48%
CMY	0.4563, 0.5464, 0.5229
CMYK	0.00, 0.17, 0.12, 0.46
HSL	344°, 9%, 50%
HSV	344°, 17%, 54%
XYZ	20.2874, 19.2686, 20.9521
YIQ	123.5610, 11.7820, 6.7420

Conversions

Conversions Part 2

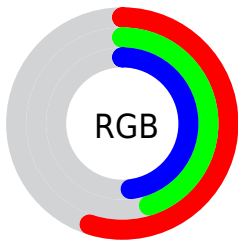
Format	Color
R_{YB}	139, 116, 122
Decimal	9139322
CIE _{Lab}	51.00, 10.02, 0.05
CIE _{LCh}	51, 10.020, 0.296
Yxy	19.2686, 0.3353, 0.3184
Android (android.graphics.Color)	4287329402 (0xFF8B747A)
YUV	123.5610, -0.7696, 13.5400
Hunter-Lab	43.8960, 5.6793, 2.4275

Details

The CIELCh color $51, 10.020, 0.296$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $56, 9.504, 177.269$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 10.095, 1.460$, and $31, 9.940, 2.640$ is the 20% darker color. If you saturate the color by 10%, you get $47, 16.376, 1.496$, and if you desaturate by 10%, it is $55, 3.890, 359.230$.

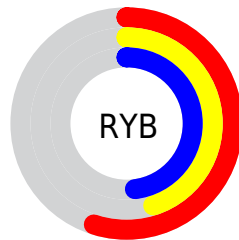
Distribution



Red (55%)

Green (45%)

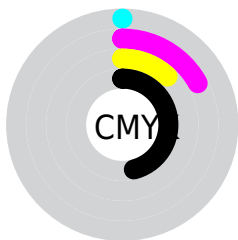
Blue (48%)



Red (55%)

Yellow (45%)

Blue (48%)

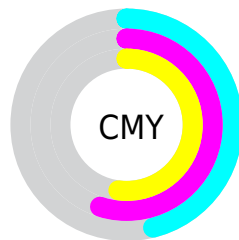


Cyan (0%)

Magenta (17%)

Yellow (12%)

Black (46%)



Cyan (46%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 10.020, 0.296 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, 10.020, 0.296 by changing the saturation by 10% instead.

 51, 10.020, 0.296  51, 10.020, 0.296

 100, 10.020, 0.296  41, 10.020, 0.296

 71, 10.020, 0.296  31, 10.020, 0.296

 81, 10.020, 0.296  21, 10.020, 0.296

 91, 10.020, 0.296  11, 10.020, 0.296

 1, 10.020, 0.296

 0, 10.020, 0.296

 51, 10.020, 0.296  51, 10.020, 0.296

 47, 16.376, 1.496  55, 3.890, 359.230

 43, 22.887, 2.903  59, 1.972, 178.635

40, 29.422, 4.600

63, 7.558, 177.716

37, 35.786, 6.690

67, 12.874,
177.001

34, 41.730, 9.301

72, 17.936,
176.367

31, 46.995, 12.586

30, 51.401, 16.679

76, 22.762,
175.795

29, 55.058, 21.502

80, 27.373,
175.274

28, 56.363, 23.089

84, 31.790,
174.796

88, 36.031,
174.355

Harmonies

Complementary

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



51, 10.020, 0.296



56, 9.504, 177.269

Rectangle

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



51, 10.020, 0.296



51, 10.020, 50.296



51, 10.020, 180.296



51, 10.020, 230.296

Sweetspot

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



51, 10.018, 0.302



71, 3.665, 359.066



51, 14.970, 317.455



37, 2.524, 359.137



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 10.018, 0.302



64, 15.146, 0.742



52, 7.981, 42.846



27, 3.337, 359.504



27, 54.482, 22.824



0, 1.519, 358.728

Inverse Universe

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



51, 10.018, 0.302



64, 15.146, 0.742



54, 7.218, 224.266



27, 3.337, 359.504



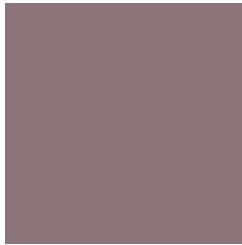
27, 54.482, 22.824



0, 1.519, 358.728

Previews

White Background



This preview shows how the CIELCh color 51, 10.020, 0.296 looks on a white background.

Color Contrast Check

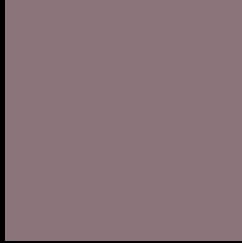
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 10.020, 0.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

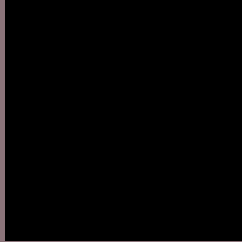
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 10.020, 0.296

Background



This preview shows how black text looks on a background with the CIELCh color 51, 10.020, 0.296.



This preview shows how white text looks on a background with the CIELCh color 51, 10.020, 0.296.

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, 10.020, 0.296

Protanopia

51, 2.477, 309.168

Deuteranopia

51, 6.360, 4.222



Tritanopia
51, 11.059, 352.562

Trichromacy



Original Color
51, 10.020, 0.296

Protanomaly
51, 4.983, 344.209

Deuteranomaly
51, 7.710, 2.774

Tritanomaly
51, 10.820, 355.312

Monochromacy



Original Color
51, 10.020, 0.296

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 4.039, 354.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 10.020, 0.296 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(139, 116, 122)` looks like.

```
.text, #text, p{  
    color:rgb(139, 116, 122)  
}
```

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(139, 116, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 116, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 10.020, 0.296 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(139, 116, 122) }
```

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

```
.border{ border-color:rgb(139, 116, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 116, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 116, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 116, 122);  
box-shadow:4px 4px 4px 4px rgb(139, 116,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 10.020, 0.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 116, 122) }
```

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

```
.background{ background-color: rgb(139,  
116, 122) }
```

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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