

Converting Colors

CIELCh(51, 31.857, 358.748)

Have a look what the booklet for
CIELCh(51, 31.857, 358.748)
contains.

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Color

CIELCh(51, 31.743, 358.264)

Conversions

Conversions Part 1

Format	Color
Hex	AB647C
RGB	171, 100, 124
RGB Percent	67%, 39%, 49%
CMY	0.3289, 0.6074, 0.5132
CMYK	0.00, 0.41, 0.27, 0.33
HSL	340°, 30%, 53%
HSV	340°, 41%, 67%
XYZ	25.0380, 19.2686, 21.5086
YIQ	123.9650, 34.6120, 22.5160

Conversions

Conversions Part 2

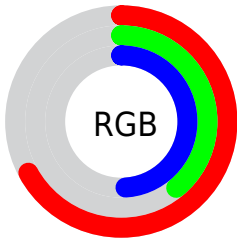
Format	Color
R_{YB}	171, 100, 124
Decimal	11232380
CIE _{Lab}	51.00, 31.73, -0.96
CIE _{LCh}	51, 31.743, 358.264
Yxy	19.2686, 0.3804, 0.2928
Android (android.graphics.Color)	4289422460 (0xFFAB647C)
YUV	123.9650, 0.0173, 41.2497
Hunter-Lab	43.8960, 24.9973, 1.6758

Details

The CIELCh color $51, 31.743, 358.264$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $65, 28.568, 169.124$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 31.771, 358.664$, and $31, 31.737, 358.820$ is the 20% darker color. If you saturate the color by 10%, you get $47, 39.348, 0.065$, and if you desaturate by 10%, it is $55, 23.920, 356.777$.

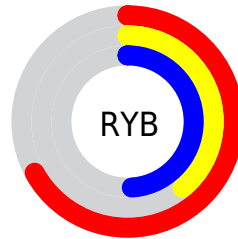
Distribution



Red (67%)

Green (39%)

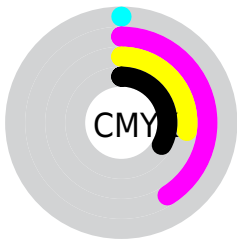
Blue (49%)



Red (67%)

Yellow (39%)

Blue (49%)

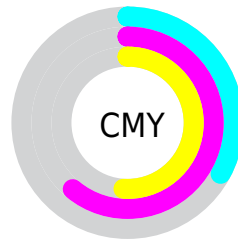


Cyan (0%)

Magenta (41%)

Yellow (27%)

Black (33%)



Cyan (33%)


Magenta (61%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.743, 358.264 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, 31.743, 358.264 by changing the saturation by 10% instead.


 51, 31.743,
358.264


 51, 31.743,
358.264


 100, 31.743,
358.264


 41, 31.743,
358.264


 71, 31.743,
358.264

 31, 31.743,
358.264

 81, 31.743,
358.264

 21, 31.743,
358.264

 91, 31.743,
358.264

 11, 31.743,
358.264

 1, 31.743, 358.264

 0, 31.743, 358.264

51, 31.743,
358.264

51, 31.743,
358.264

47, 39.348, 0.065

55, 23.920,
356.777

44, 46.432, 2.286

60, 16.115,
355.516

41, 52.633, 5.077

38, 57.642, 8.607

65, 8.475, 354.414

37, 61.344, 13.020

69, 1.084, 353.137


36, 63.900, 17.264

74, 6.017, 172.750

79, 12.814,
171.962

84, 19.316,
171.272

89, 25.536,
170.647

 94, 31.495,
170.077

Harmonies

Complementary

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



51, 31.743, 358.264



65, 28.568, 169.124

Rectangle

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



51, 31.743, 358.264



51, 31.743, 48.264



51, 31.743, 178.264



51, 31.743, 228.264

Sweetspot

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



51, 31.741, 358.266



81, 10.943, 354.489



50, 44.356, 315.897



43, 7.333, 354.622



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 31.741, 358.266



61, 47.206, 359.944



53, 27.651, 34.956



34, 4.203, 354.186



31, 57.984, 16.623



2, 8.444, 357.666

Inverse Universe

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



51, 31.741, 358.266



61, 47.206, 359.944



62, 20.392, 214.984



34, 4.203, 354.186



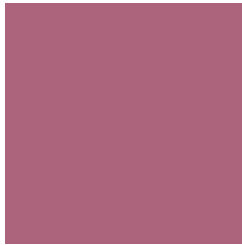
31, 57.984, 16.623



2, 8.444, 357.666

Previews

White Background



This preview shows how the CIELCh color 51, 31.743, 358.264 looks on a white background.

Color Contrast Check

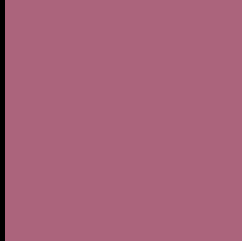
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.743, 358.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

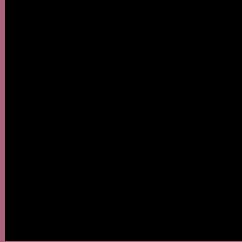
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 31.743, 358.264

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.743, 358.264.



This preview shows how white text looks on a background with the CIELCh color 51, 31.743, 358.264.

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, 31.743, 358.264

Protanopia

51, 9.327, 289.037

Deuteranopia

51, 6.758, 5.241



Tritanopia
51, 28.795, 15.265

Trichromacy



Original Color
51, 31.743, 358.264

Protanomaly
51, 15.140, 334.281

Deuteranomaly
51, 15.848, 0.010

Tritanomaly
51, 29.337, 8.767

Monochromacy



Original Color
51, 31.743, 358.264

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 11.790, 354.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.743, 358.264 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(171, 100, 124)` looks like.

```
.text, #text, p{  
    color:rgb(171, 100, 124)  
}
```

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(171, 100, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 100, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.743, 358.264 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(171, 100, 124) }
```

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

```
.border{ border-color:rgb(171, 100, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 100, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 100, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 100, 124);  
box-shadow:4px 4px 4px 4px rgb(171, 100,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.743, 358.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 100, 124) }
```

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

```
.background{ background-color: rgb(171,  
100, 124) }
```

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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