Converting Colors

CIELCh(51, 21.729, 67.897)

Have a look what the booklet for CIELCh(51, 21.729, 67.897) contains.

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Color

CIELCh(51, 21.688, 67.926)

Conversions

Conversions Part 1

Format	Color
Hex	937458
RGB	147, 116, 88
RGB Percent	58%, 45%, 35%
CMY	0.4251, 0.5466, 0.6563
CMYK	0.00, 0.21, 0.40, 0.43
HSL	28°, 25%, 46%
HSV	28°, 40%, 57%
XYZ	19.9090, 19.2686, 11.8243
YIQ	122.0770, 27.4640, -2.1360

Conversions

Conversions Part 2

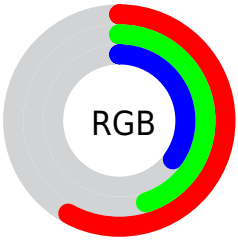
Format	Color
RYB	147, 141, 88
Decimal	9663576
CIELab	51.00, 8.15, 20.10
CIELCh	51, 21.688, 67.926
Yxy	19.2686, 0.3904, 0.3778
Android (android.graphics.Color)	4287853656 (0xFF937458)
YUV	122.0770, -16.8000, 21.8575
Hunter-Lab	43.8960, 4.1406, 14.7563

Details

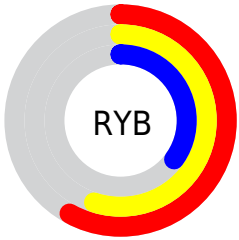
The CIELCh color 51, 21.688, 67.926 is a dark color, and the websafe version is hex 996666. A complement of this color would be 49, 19.048, 259.219, and the grayscale version is 51, 0.007, 296.813.

A 20% lighter version of the original color is 71, 21.709, 68.204, and 31, 21.820, 67.984 is the 20% darker color. If you saturate the color by 10%, you get 49, 27.757, 66.762, and if you desaturate by 10%, it is 53, 15.887, 69.100.

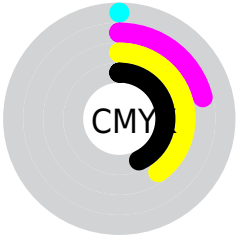
Distribution



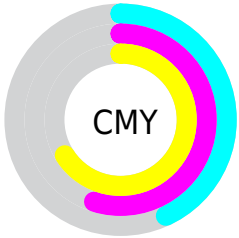
- Red (58%)
- Green (45%)
- Blue (35%)



- Red (58%)
- Yellow (55%)
- Blue (35%)



- Cyan (0%)
- Magenta (21%)
- Yellow (40%)
- Black (43%)



- Cyan (43%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 21.688, 67.926 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, 21.688, 67.926 by changing the saturation by 10% instead.

51, 21.688, 67.926

100, 21.688, 67.926

71, 21.688, 67.926

81, 21.688, 67.926

91, 21.688, 67.926

51, 21.688, 67.926

41, 21.688, 67.926

31, 21.688, 67.926

21, 21.688, 67.926

11, 21.688, 67.926

1, 21.688, 67.926

0, 21.688, 67.926

51, 21.688, 67.926

49, 27.757, 66.762

46, 34.044, 65.580

51, 21.688, 67.926

53, 15.887, 69.100

56, 10.364, 70.262

44, 40.423, 64.344

42, 46.617, 62.954

40, 52.105, 61.200

39, 56.805, 59.309

58, 5.108, 71.396

61, 0.100, 69.538

63, 4.683, 253.801

66, 9.264, 254.868

68, 13.667, 255.923

71, 17.912, 256.945

74, 22.016, 257.930

Harmonies

Complementary

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

51, 21.688, 67.926

49, 19.048, 259.219

Rectangle

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

51, 21.688, 67.926

51, 21.688, 117.926

51, 21.688, 247.926

51, 21.688, 297.926

Sweetspot

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

51, 21.688, 67.932

74, 7.491, 71.171

45, 29.834, 345.603

39, 5.022, 71.041

89, 0.011, 296.813

41, 0.006, 296.813

Same Dimension

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

51, 21.688, 67.932

63, 32.860, 66.905

59, 31.568, 104.929

30, 2.838, 71.506

36, 54.205, 59.541

2, 2.437, 72.625

Inverse Universe

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

49, 19.048, 259.219

59, 27.956, 261.371

40, 34.688, 294.146

30, 2.770, 253.830

31, 42.423, 280.250

1, 2.438, 252.639

Previews

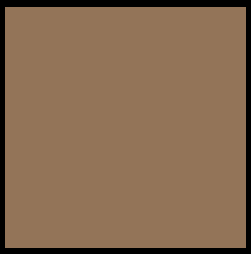
White Background

This preview shows how the CIELCh color 51, 21.688, 67.926 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



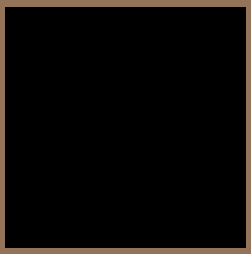
This preview shows how the CIELCh color 51, 21.688, 67.926 looks on a black background.

Color Contrast Check

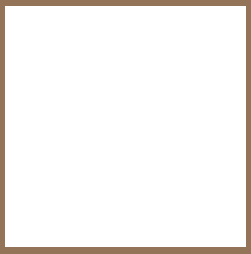
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 51, 21.688, 67.926 Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.688, 67.926.



This preview shows how white text looks on a background with the CIELCh color 51, 21.688, 67.926.

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, 21.688, 67.926

Protanopia
51, 18.893, 95.623

Deuteranopia
51, 21.434, 73.283

Tritanopia
51, 16.909, 3.648

Trichromacy

Original Color
51, 21.688, 67.926

Protanomaly
51, 19.534, 85.000

Deuteranomaly
51, 21.712, 72.318

Tritanomaly
51, 15.780, 31.607

Monochromacy

Original Color
51, 21.688, 67.926

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.420, 70.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 21.688, 67.926 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(147, 116, 88) looks like.

```
.text, #text, p{
    color:rgb(147, 116, 88)
}
```

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(147, 116, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 116, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 21.688, 67.926 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(147, 116, 88) }
```

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

```
.border{ border-color:rgb(147, 116, 88) }
```

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

Here you see how a box with a 4 pixel rgb(147, 116, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 116, 88); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 116, 88); box-shadow:4px 4px 4px 4px rgb(147, 116, 88) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 21.688, 67.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(147, 116, 88) }
```

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

```
.background{ background-color:rgb(147,
116, 88) }
```

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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