

Converting Colors

CIELCh(49, 8.725, 335.961)

Have a look what the booklet for
CIELCh(49, 8.725, 335.961) contains.

CIELCh(49, 9.140, 335.604)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 9.140, 335.604)

Conversions

Conversions Part 1

Format	Color
Hex	80707B
RGB	128, 112, 123
RGB Percent	50%, 44%, 48%
CMY	0.4982, 0.5609, 0.5178
CMYK	0.00, 0.13, 0.04, 0.50
HSL	319°, 7%, 47%
HSV	319°, 13%, 50%
XYZ	18.2578, 17.5941, 21.1589
YIQ	118.0380, 6.0050, 6.8130

Conversions

Conversions Part 2

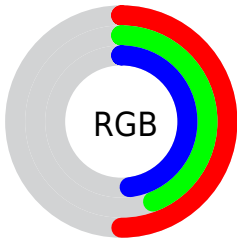
Format	Color
R_{YB}	128, 112, 123
Decimal	8417403
CIE Lab	49.00, 8.32, -3.78
CIE LCh	49, 9.140, 335.604
Yxy	17.5941, 0.3203, 0.3086
Android (android.graphics.Color)	4286607483 (0xFF80707B)
YUV	118.0380, 2.4463, 8.7367
Hunter-Lab	41.9453, 4.2928, -0.5466

Details

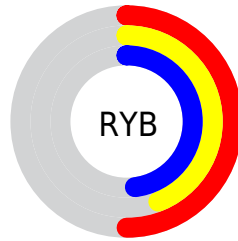
The CIELCh color $49, 9.140, 335.604$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 9.082, 153.956$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 8.837, 337.140$, and $29, 9.220, 336.890$ is the 20% darker color. If you saturate the color by 10%, you get $45, 16.534, 336.333$, and if you desaturate by 10%, it is $53, 1.817, 334.825$.

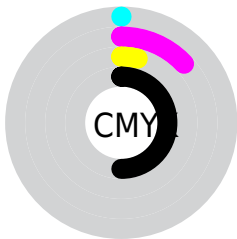
Distribution



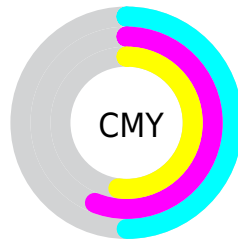
- Red (50%)
- Green (44%)
- Blue (48%)



- Red (50%)
- Yellow (44%)
- Blue (48%)



- Cyan (0%)
- Magenta (13%)
- Yellow (4%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.140, 335.604 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 49, 9.140, 335.604 by changing the saturation by 10% instead.

■ 49, 9.140, 335.604

■ 49, 9.140, 335.604

■ 100, 9.140,
335.604

■ 39, 9.140, 335.604

■ 69, 9.140, 335.604

■ 29, 9.140, 335.604

■ 79, 9.140, 335.604

■ 19, 9.140, 335.604

■ 89, 9.140, 335.604

■ 9, 9.140, 335.604

■ 99, 9.140, 335.604

■ 0, 9.140, 335.604

■ 49, 9.140, 335.604

■ 49, 9.140, 335.604

■ 45, 16.534,
336.333

■ 53, 1.817, 334.825

■ 42, 23.892,

■ 56, 5.361, 154.374

337.101

60, 12.356,
153.752

39, 31.047,
337.926

64, 19.149,
153.182

36, 37.768,
338.824

68, 25.734,
152.649

33, 43.762,
339.819

72, 32.116,
152.148

31, 48.696,
340.949

75, 38.301,
151.677

29, 52.261,
342.266

79, 44.302,
151.233

28, 54.257,
343.840

83, 50.129,
150.815

28, 55.254,
345.109

Harmonies

Complementary

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



49, 9.140, 335.604



52, 9.082, 153.956

Rectangle

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



49, 9.140, 335.604



49, 9.140, 25.604



49, 9.140, 155.604



49, 9.140, 205.604

Sweetspot

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



49, 9.138, 335.606



66, 3.591, 334.982



48, 9.654, 302.524



34, 2.573, 335.037



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 9.138, 335.606



61, 13.573, 335.810



49, 6.850, 4.345



25, 4.097, 335.362



27, 55.115, 345.101



0, 0.000, 0.000

Inverse Universe

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



49, 9.138, 335.606



61, 13.573, 335.810



52, 6.533, 182.232



25, 4.097, 335.362



27, 55.115, 345.101



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 9.140, 335.604 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 9.140, 335.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

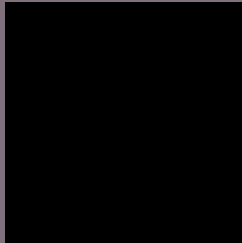
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.140, 335.604

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.140, 335.604.



This preview shows how white text looks on a background with the CIELCh color 49, 9.140, 335.604.

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


49, 9.140, 335.604

Protanopia

49, 5.289, 290.881

Deuteranopia

49, 7.621, 329.919



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color

49, 9.140, 335.604

Protanomaly

49, 5.674, 311.263

Deuteranomaly

49, 7.882, 332.231

Tritanomaly

49, 8.744, 338.349

Monochromacy



Original Color

49, 9.140, 335.604

Achromatopsia

50, 0.007, 296.813

Achromatomaly

49, 3.386, 335.921

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 49, 9.140, 335.604 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(128, 112, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 112, 123)  
}
```

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(128, 112, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 112, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.140, 335.604 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(128, 112, 123) }
```

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

```
.border{ border-color:rgb(128, 112, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 112, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 112, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 112, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 112,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.140, 335.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 112, 123) }
```

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

```
.background{ background-color: rgb(128,  
112, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor