

Converting Colors

CIELCh(49, 9.428, 166.983)

Have a look what the booklet for
CIELCh(49, 9.428, 166.983) contains.

CIELCh(49, 9.279, 167.998)	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, 9.279, 167.998)

Conversions

Conversions Part 1

Format	Color
Hex	657971
RGB	101, 121, 113
RGB Percent	40%, 47%, 44%
CMY	0.6044, 0.5260, 0.5573
CMYK	0.17, 0.00, 0.07, 0.53
HSL	156°, 9%, 43%
HSV	156°, 17%, 47%
XYZ	15.1495, 17.5941, 18.1844
YIQ	114.1080, -9.3520, -6.7280

Conversions

Conversions Part 2

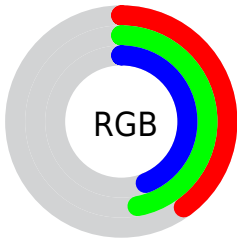
Format	Color
R_{YB}	101, 114, 121
Decimal	6650225
CIE _{Lab}	49.00, -9.08, 1.93
CIE _{LCh}	49, 9.279, 167.998
Yxy	17.5941, 0.2975, 0.3455
Android (android.graphics.Color)	4284840305 (0xFF657971)
YUV	114.1080, -0.5462, -11.4957
Hunter-Lab	41.9453, -8.9348, 3.6579

Details

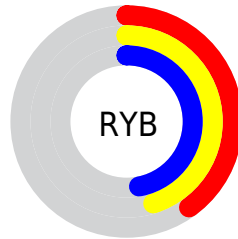
The CIELCh color $49, 9.279, 167.998$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 9.572, 350.872$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 9.026, 169.555$, and $29, 9.025, 168.009$ is the 20% darker color. If you saturate the color by 10%, you get $48, 14.782, 167.001$, and if you desaturate by 10%, it is $50, 3.681, 168.944$.

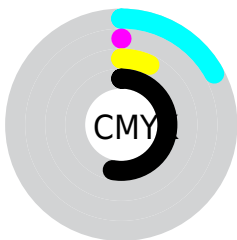
Distribution



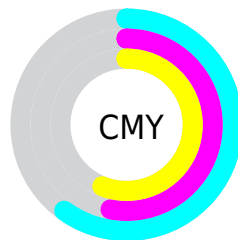
- Red (40%)
- Green (47%)
- Blue (44%)



- Red (40%)
- Yellow (45%)
- Blue (47%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (53%)





















- Cyan (60%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.279, 167.998 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, 9.279, 167.998 by changing the saturation by 10% instead.

 49, 9.279, 167.998	 49, 9.279, 167.998
 100, 9.279, 167.998	 39, 9.279, 167.998
 69, 9.279, 167.998	 29, 9.279, 167.998
 79, 9.279, 167.998	 19, 9.279, 167.998
 89, 9.279, 167.998	 9, 9.279, 167.998
 99, 9.279, 167.998	 0, 9.279, 167.998

 49, 9.279, 167.998	 49, 9.279, 167.998
 48, 14.782, 167.001	 50, 3.681, 168.944
 47, 20.111,	 51, 1.950, 349.534

165.917

52, 7.561, 350.423

47, 25.183,
164.718

54, 13.110,
351.163

46, 29.911,
163.382

55, 18.569,
351.850

45, 34.216,
161.888

57, 23.916,
352.497

45, 38.035,
160.215

58, 29.138,
353.110

45, 41.336,
158.349

60, 34.228,
353.694

44, 44.190,
156.345

61, 39.182,
354.250

44, 45.159,
155.693

Harmonies

Complementary

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



49, 9.279, 167.998



45, 9.572, 350.872

Rectangle

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



49, 9.279, 167.998



49, 9.279, 217.998



49, 9.279, 347.998



49, 9.279, 37.998

Sweetspot

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



49, 9.280, 167.995



64, 3.503, 169.088



49, 12.661, 131.246



33, 2.377, 169.030



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 9.280, 167.995



63, 13.942, 167.611



49, 7.099, 206.662



25, 3.200, 168.700



46, 46.317, 155.608



88, 79.882, 154.292

Inverse Universe

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



45, 9.572, 350.872



56, 14.488, 351.280



45, 7.886, 27.497



24, 3.257, 350.138



26, 49.859, 9.762



54, 84.354, 12.787

Previews

White Background



This preview shows how the CIELCh color 49, 9.279, 167.998 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 CIE LCh color 49, 9.279, 167.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

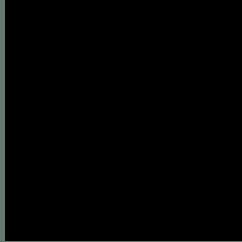
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.279, 167.998

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.279, 167.998.



This preview shows how white text looks on a background with the CIELCh color 49, 9.279, 167.998.

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

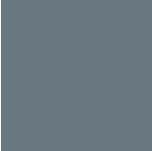
49, 9.279, 167.998

Protanopia

49, 3.869, 84.366

Deuteranopia

49, 6.824, 5.294



Tritanopia
49, 7.636, 242.937

Trichromacy



Original Color
49, 9.279, 167.998

Protanomaly
49, 4.595, 135.973

Deuteranomaly
49, 1.348, 45.010

Tritanomaly
49, 6.715, 214.036

Monochromacy



Original Color
49, 9.279, 167.998

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.683, 170.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.279, 167.998 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(101, 121, 113)` looks like.

```
.text, #text, p{  
    color:rgb(101, 121, 113)  
}
```

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(101, 121, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 121, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.279, 167.998 is called "border". The border property can be set on classes, ids or directly on the HTML element.

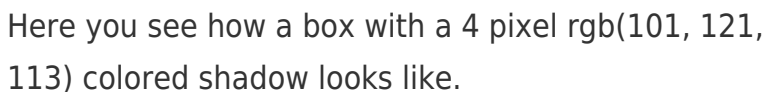
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 121, 113) }
```

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

```
.border{ border-color:rgb(101, 121, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 121, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 121, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 121, 113); box-shadow:4px 4px 4px 4px rgb(101, 121, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.279, 167.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 121, 113) }
```

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

```
.background{ background-color: rgb(101,  
121, 113) }
```

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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