

Converting Colors

CIELCh(49, 9.306, 264.777)

Have a look what the booklet for
CIELCh(49, 9.306, 264.777) contains.

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Color

CIELCh(49, 9.249, 262.226)

Conversions

Conversions Part 1

Format	Color
Hex	6A7684
RGB	106, 118, 132
RGB Percent	42%, 46%, 52%
CMY	0.5854, 0.5384, 0.4835
CMYK	0.20, 0.11, 0.00, 0.48
HSL	212°, 11%, 47%
HSV	212°, 20%, 52%
XYZ	16.4996, 17.5941, 24.2511
YIQ	116.0080, -11.6460, 1.8100

Conversions

Conversions Part 2

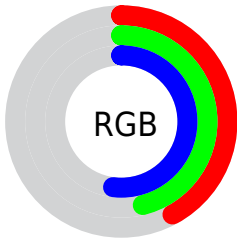
Format	Color
R_{YB}	106, 114, 132
Decimal	6977156
CIE Lab	49.00, -1.25, -9.16
CIE LCh	49, 9.249, 262.226
Yxy	17.5941, 0.2828, 0.3016
Android (android.graphics.Color)	4285167236 (0xFF6A7684)
YUV	116.0080, 7.8841, -8.7770
Hunter-Lab	41.9453, -3.1894, -4.9175

Details

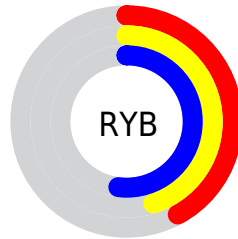
The CIELCh color $49, 9.249, 262.226$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 9.606, 77.025$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 9.187, 263.230$, and $29, 9.447, 261.812$ is the 20% darker color. If you saturate the color by 10%, you get $46, 13.901, 263.966$, and if you desaturate by 10%, it is $52, 4.571, 260.753$.

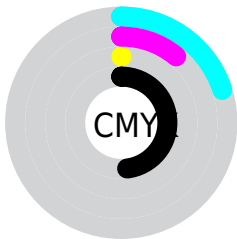
Distribution



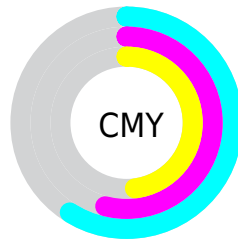
- Red (42%)
- Green (46%)
- Blue (52%)



- Red (42%)
- Yellow (45%)
- Blue (52%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (48%)



- Cyan (59%)
- Magenta (54%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.249, 262.226 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, 9.249, 262.226 by changing the saturation by 10% instead.

■ 49, 9.249, 262.226

■ 49, 9.249, 262.226

■ 100, 9.249,
262.226

■ 39, 9.249, 262.226

■ 69, 9.249, 262.226

■ 29, 9.249, 262.226

■ 79, 9.249, 262.226

■ 19, 9.249, 262.226

■ 89, 9.249, 262.226

■ 9, 9.249, 262.226

■ 99, 9.249, 262.226

■ 0, 9.249, 262.226

■ 49, 9.249, 262.226

■ 49, 9.249, 262.226

■ 46, 13.901,
263.966

■ 52, 4.571, 260.753

■ 43, 18.518,

■ 55, 0.119, 77.341

266.025

58, 4.810, 78.271

40, 23.097,
268.446

61, 9.490, 77.345

37, 27.644,
271.272

64, 14.149, 76.525

34, 32.182,
274.529

67, 18.780, 75.802

32, 36.751,
278.202

74, 27.927, 74.592

29, 41.400,
282.214

77, 32.434, 74.080

27, 46.204,
286.193

27, 46.336,
286.290

Harmonies

Complementary

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



49, 9.249, 262.226



51, 9.606, 77.025

Rectangle

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



49, 9.249, 262.226



49, 9.249, 312.226



49, 9.249, 82.226



49, 9.249, 132.226

Sweetspot

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



49, 9.248, 262.220



68, 3.489, 260.303



53, 12.444, 163.804



35, 2.332, 260.365



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 9.248, 262.220



61, 13.897, 263.023



46, 15.505, 293.492



26, 2.663, 260.674



26, 45.856, 286.232



0, 0.639, 259.462

Inverse Universe

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



48, 12.756, 347.481



59, 19.274, 347.969



54, 14.841, 109.753



26, 3.621, 346.476



27, 51.281, 4.183



0, 0.857, 345.766

Previews

White Background



This preview shows how the CIELCh color 49, 9.249, 262.226 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, 9.249, 262.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

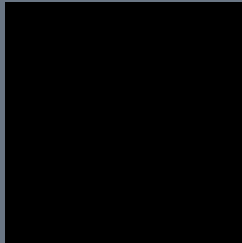
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

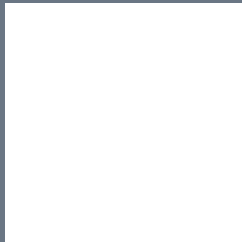
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 9.249, 262.226

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.249, 262.226.

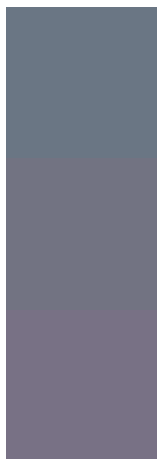


This preview shows how white text looks on a background with the CIELCh color 49, 9.249, 262.226.

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

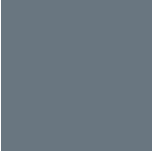
49, 9.249, 262.226

Protanopia

49, 8.825, 288.858

Deuteranopia

49, 12.120, 304.480



Tritanopia
49, 7.558, 250.310

Trichromacy



Original Color

49, 9.249, 262.226

Protanomaly

49, 8.975, 279.146

Deuteranomaly

49, 10.584, 291.567

Tritanomaly

49, 8.000, 253.214

Monochromacy



Original Color

49, 9.249, 262.226

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 3.502, 256.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.249, 262.226 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(106, 118, 132)` looks like.

```
.text, #text, p{  
    color:rgb(106, 118, 132)  
}
```

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(106, 118, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 118, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.249, 262.226 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(106, 118, 132) }
```

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

```
.border{ border-color:rgb(106, 118, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 118, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 118, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 118, 132);  
box-shadow:4px 4px 4px 4px rgb(106, 118,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.249, 262.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 118, 132) }
```

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

```
.background{ background-color: rgb(106,  
118, 132) }
```

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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