

Converting Colors

CIELCh(49, 9.753, 252.171)

Have a look what the booklet for
CIELCh(49, 9.753, 252.171) contains.

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Color

CIELCh(49, 9.737, 250.855)

Conversions

Conversions Part 1

Format	Color
Hex	667784
RGB	102, 119, 132
RGB Percent	40%, 47%, 52%
CMY	0.6011, 0.5344, 0.4835
CMYK	0.23, 0.10, 0.00, 0.48
HSL	206°, 13%, 46%
HSV	206°, 23%, 52%
XYZ	16.1573, 17.5941, 24.2718
YIQ	115.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

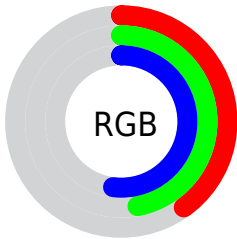
Format	Color
R_{YB}	102, 113, 132
Decimal	6715268
CIE _{Lab}	49.00, -3.19, -9.20
CIE _{LCh}	49, 9.737, 250.855
Yxy	17.5941, 0.2785, 0.3032
Android (android.graphics.Color)	4284905348 (0xFF667784)
YUV	115.3990, 8.1843, -11.7509
Hunter-Lab	41.9453, -4.6460, -4.9467

Details

The CIELCh color $49, 9.737, 250.855$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 10.583, 65.417$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 9.847, 250.620$, and $29, 9.925, 250.175$ is the 20% darker color. If you saturate the color by 10%, you get $46, 13.825, 252.574$, and if you desaturate by 10%, it is $52, 5.524, 249.427$.

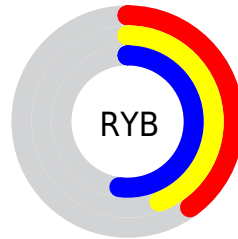
Distribution



Red (40%)

Green (47%)

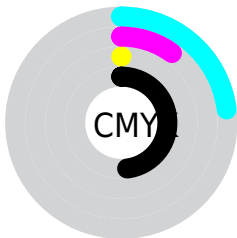
Blue (52%)



Red (40%)

Yellow (44%)

Blue (52%)

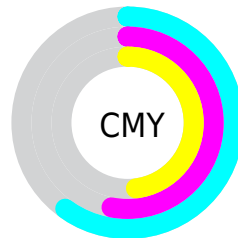


Cyan (23%)

Magenta (10%)

Yellow (0%)

Black (48%)



Cyan (60%)

Magenta (53%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.737, 250.855 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, 9.737, 250.855 by changing the saturation by 10% instead.

■ 49, 9.737, 250.855

■ 49, 9.737, 250.855

■ 100, 9.737,
250.855

■ 39, 9.737, 250.855

■ 69, 9.737, 250.855

■ 29, 9.737, 250.855

■ 79, 9.737, 250.855

■ 19, 9.737, 250.855

■ 89, 9.737, 250.855

■ 9, 9.737, 250.855

■ 99, 9.737, 250.855

■ 0, 9.737, 250.855

■ 49, 9.737, 250.855

■ 49, 9.737, 250.855

■ 46, 13.825,
252.574

■ 52, 5.524, 249.427

■ 44, 17.764,

■ 54, 1.212, 248.414

254.651

57, 3.174, 67.042

41, 21.537,
257.142

60, 7.611, 66.235

39, 25.138,
260.107

62, 12.082, 65.513

37, 28.583,
263.589

65, 16.569, 64.886

35, 31.916,
267.590

68, 21.061, 64.341

71, 25.545, 63.864

73, 30.015, 63.445

32, 35.212,
272.044

31, 37.676,
275.184

Harmonies

Complementary

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



49, 9.737, 250.855



50, 10.583, 65.417

Rectangle

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



49, 9.737, 250.855



49, 9.737, 300.855



49, 9.737, 70.855



49, 9.737, 120.855

Sweetspot

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



49, 9.736, 250.849



68, 3.768, 248.764



52, 15.673, 157.597



35, 2.466, 248.814



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, 9.736, 250.849



61, 14.192, 251.644



45, 16.437, 289.262



27, 2.463, 248.983



31, 37.291, 275.118



0, 0.595, 247.872

Inverse Universe

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



47, 15.779, 342.019



58, 23.193, 342.459



54, 15.764, 104.315



26, 3.887, 340.863



27, 52.572, 354.708



0, 0.922, 340.218

Previews

White Background



This preview shows how the CIELCh color 49, 9.737, 250.855 looks on a white background.

Color Contrast Check

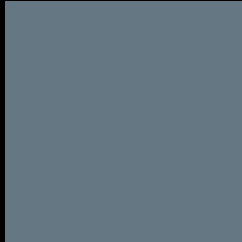
Large Text (above 18pt) WCAG AA ✓ Pass

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, 9.737, 250.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

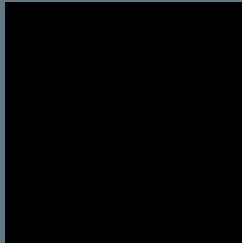
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

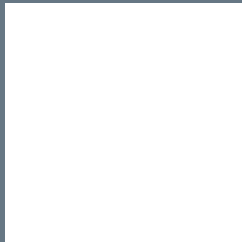
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 9.737, 250.855

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.737, 250.855.



This preview shows how white text looks on a background with the CIELCh color 49, 9.737, 250.855.

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

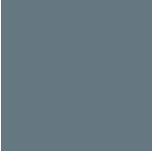
49, 9.737, 250.855

Protanopia

49, 8.825, 288.858

Deuteranopia

49, 12.120, 304.480



Tritanopia
49, 8.791, 241.000

Trichromacy



Original Color
49, 9.737, 250.855

Protanomaly
49, 9.052, 276.818

Deuteranomaly
49, 10.598, 287.484

Tritanomaly
49, 9.160, 243.974

Monochromacy



Original Color
49, 9.737, 250.855

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.731, 251.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.737, 250.855 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(102, 119, 132)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 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(102, 119, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.737, 250.855 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(102, 119, 132) }
```

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

```
.border{ border-color:rgb(102, 119, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 132);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.737, 250.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 132) }
```

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

```
.background{ background-color: rgb(102,  
119, 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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