

Converting Colors

CIELCh(49, 8.729, 233.083)

Have a look what the booklet for
CIELCh(49, 8.729, 233.083) contains.

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Color

CIELCh(49, 8.712, 231.524)

Conversions

Conversions Part 1

Format	Color
Hex	647880
RGB	100, 120, 128
RGB Percent	39%, 47%, 50%
CMY	0.6091, 0.5307, 0.4993
CMYK	0.22, 0.06, 0.00, 0.50
HSL	197°, 12%, 45%
HSV	197°, 22%, 50%
XYZ	15.7707, 17.5941, 22.8717
YIQ	114.9320, -14.4880, -1.7520

Conversions

Conversions Part 2

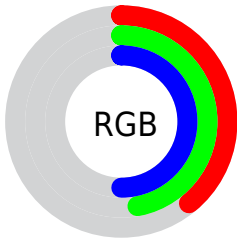
Format	Color
R_{YB}	100, 112, 128
Decimal	6584448
CIE _{Lab}	49.00, -5.42, -6.82
CIE _{LCh}	49, 8.712, 231.524
Y _{xy}	17.5941, 0.2804, 0.3129
Android (android.graphics.Color)	4284774528 (0xFF647880)
YUV	114.9320, 6.4425, -13.0954
Hunter-Lab	41.9453, -6.2914, -2.9677

Details

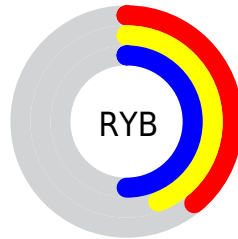
The CIELCh color $49, 8.712, 231.524$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 9.873, 48.582$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 8.859, 232.956$, and $29, 8.588, 230.253$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.337, 232.632$, and if you desaturate by 10%, it is $51, 4.851, 230.663$.

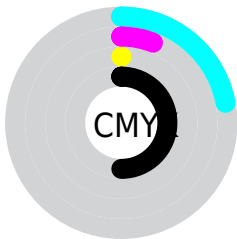
Distribution



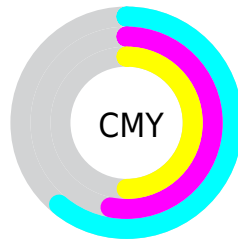
- Red (39%)
- Green (47%)
- Blue (50%)



- Red (39%)
- Yellow (44%)
- Blue (50%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)



- Cyan (61%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.712, 231.524 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, 8.712, 231.524 by changing the saturation by 10% instead.

■ 49, 8.712, 231.524

■ 49, 8.712, 231.524

■ 100, 8.712,
231.524

■ 39, 8.712, 231.524

■ 69, 8.712, 231.524

■ 29, 8.712, 231.524

■ 79, 8.712, 231.524

■ 19, 8.712, 231.524

■ 89, 8.712, 231.524

■ 9, 8.712, 231.524

■ 99, 8.712, 231.524

■ 0, 8.712, 231.524

■ 49, 8.712, 231.524

■ 49, 8.712, 231.524

■ 47, 12.337,
232.632

■ 51, 4.851, 230.663

■ 45, 15.680,

■ 53, 0.801, 230.351

234.053

55, 3.399, 49.238

43, 18.695,
235.847

57, 7.711, 48.873

42, 21.345,
238.094

59, 12.107, 48.560

40, 23.613,
240.875

62, 16.562, 48.313

39, 25.514,
244.262

66, 25.569, 47.974

37, 27.101,
248.290

68, 30.092, 47.862

36, 28.330,
251.682

Harmonies

Complementary

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



49, 8.712, 231.524



47, 9.873, 48.582

Rectangle

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



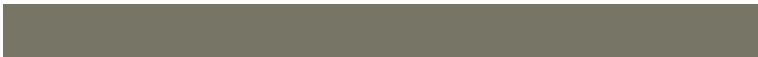
49, 8.712, 231.524



49, 8.712, 281.524



49, 8.712, 51.524



49, 8.712, 101.524

Sweetspot

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



49, 8.712, 231.517



66, 3.561, 230.360



51, 16.283, 152.051



35, 2.330, 230.384



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, 8.712, 231.517



62, 12.631, 232.004



45, 13.226, 282.188



26, 2.304, 230.472



36, 28.302, 251.675



0, 0.000, 0.000

Inverse Universe

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



46, 16.381, 335.160



57, 24.069, 335.499



51, 12.959, 96.914



25, 4.177, 334.263



28, 56.058, 343.212



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 8.712, 231.524 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, 8.712, 231.524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

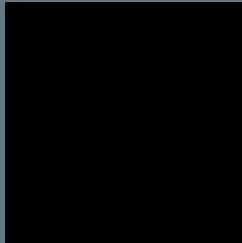
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

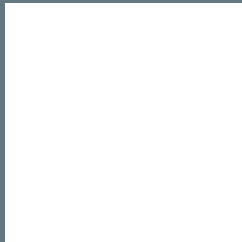
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 8.712, 231.524

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.712, 231.524.



This preview shows how white text looks on a background with the CIELCh color 49, 8.712, 231.524.

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

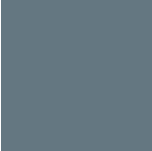
49, 8.712, 231.524

Protanopia

49, 5.903, 294.760

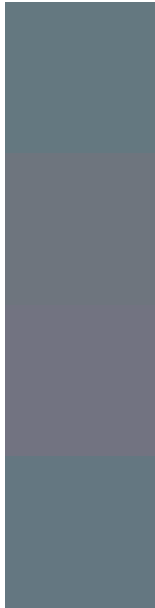
Deuteranopia

49, 10.094, 311.725



Tritanopia
49, 9.057, 239.476

Trichromacy



Original Color
49, 8.712, 231.524

Protanomaly
49, 5.881, 263.572

Deuteranomaly
49, 8.238, 288.596

Tritanomaly
49, 9.057, 239.476

Monochromacy



Original Color
49, 8.712, 231.524

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 3.573, 228.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.712, 231.524 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(100, 120, 128)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 128)  
}
```

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(100, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.712, 231.524 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(100, 120, 128) }
```

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

```
.border{ border-color:rgb(100, 120, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 120, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.712, 231.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 128) }
```

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

```
.background{ background-color: rgb(100,  
120, 128) }
```

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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