

Converting Colors

CIELCh(49, 6.922, 183.937)

Have a look what the booklet for
CIELCh(49, 6.922, 183.937) contains.

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Color

CIELCh(49, 6.931, 183.927)

Conversions

Conversions Part 1

Format	Color
Hex	677875
RGB	103, 120, 117
RGB Percent	40%, 47%, 46%
CMY	0.5962, 0.5295, 0.5413
CMYK	0.14, 0.00, 0.03, 0.53
HSL	169°, 8%, 44%
HSV	169°, 14%, 47%
XYZ	15.5148, 17.5941, 19.4014
YIQ	114.5750, -9.1690, -4.5370

Conversions

Conversions Part 2

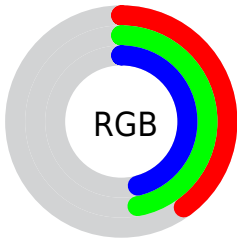
Format	Color
R_{YB}	103, 112, 120
Decimal	6781045
CIE _{Lab}	49.00, -6.91, -0.47
CIE _{LCh}	49, 6.931, 183.927
Yxy	17.5941, 0.2955, 0.3351
Android (android.graphics.Color)	4284971125 (0xFF677875)
YUV	114.5750, 1.1955, -10.1513
Hunter-Lab	41.9453, -7.3804, 1.9377

Details

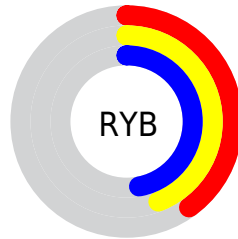
The CIELCh color $49, 6.931, 183.927$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 7.341, 6.296$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 6.879, 185.004$, and $29, 7.086, 182.460$ is the 20% darker color. If you saturate the color by 10%, you get $48, 11.611, 183.021$, and if you desaturate by 10%, it is $50, 2.066, 184.883$.

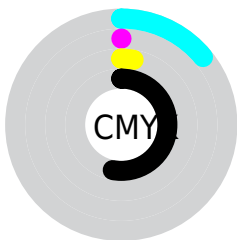
Distribution



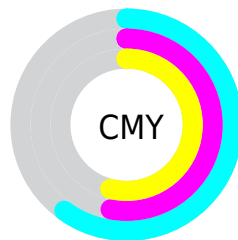
- Red (40%)
- Green (47%)
- Blue (46%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)



- Cyan (60%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.931, 183.927 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, 6.931, 183.927 by changing the saturation by 10% instead.

■ 49, 6.931, 183.927

■ 49, 6.931, 183.927

■ 100, 6.931,
183.927

■ 39, 6.931, 183.927

■ 69, 6.931, 183.927

■ 29, 6.931, 183.927

■ 79, 6.931, 183.927

■ 19, 6.931, 183.927

■ 89, 6.931, 183.927

■ 9, 6.931, 183.927

■ 99, 6.931, 183.927

■ 0, 6.931, 183.927

■ 49, 6.931, 183.927

■ 49, 6.931, 183.927

■ 48, 11.611,
183.021

■ 50, 2.066, 184.883

■ 47, 16.031,

■ 51, 2.923, 5.401

182.090

52, 7.981, 6.264

47, 20.115,
181.109

53, 13.063, 7.043

46, 23.790,
180.060

55, 18.135, 7.792

46, 26.988,
178.928

56, 23.170, 8.516

45, 29.662,
177.692

59, 33.055, 9.900

45, 31.791,
176.331

61, 37.884, 10.561

45, 33.407,
174.840

45, 34.279,
173.986

Harmonies

Complementary

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



49, 6.931, 183.927



45, 7.341, 6.296

Rectangle

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



49, 6.931, 183.927



49, 6.931, 233.927



49, 6.931, 3.927



49, 6.931, 53.927

Sweetspot

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



49, 6.932, 183.920



64, 2.452, 184.892



49, 11.521, 138.666



33, 1.755, 184.815



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, 6.932, 183.920



62, 10.232, 183.630



48, 5.449, 234.855



25, 2.821, 184.380



46, 35.324, 173.909



89, 60.152, 172.924

Inverse Universe

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



45, 7.341, 6.296



57, 10.986, 6.643



47, 5.856, 52.607



24, 2.927, 5.773



25, 54.664, 29.191



53, 94.661, 32.247

Previews

White Background



This preview shows how the CIELCh color 49, 6.931, 183.927 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, 6.931, 183.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

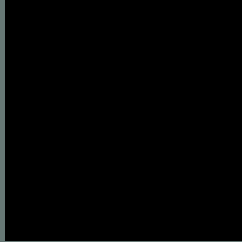
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 6.931, 183.927

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.931, 183.927.



This preview shows how white text looks on a background with the CIELCh color 49, 6.931, 183.927.

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

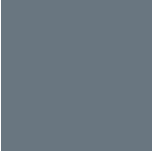
49, 6.931, 183.927

Protanopia

49, 1.346, 45.009

Deuteranopia

49, 6.066, 351.229



Tritanopia
49, 7.558, 250.310

Trichromacy



Original Color
49, 6.931, 183.927

Protanomaly
49, 1.715, 179.419

Deuteranomaly
49, 1.437, 324.409

Tritanomaly
49, 6.387, 226.364

Monochromacy



Original Color
49, 6.931, 183.927

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 2.478, 185.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 6.931, 183.927 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(103, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(103, 120, 117)  
}
```

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(103, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 120, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.931, 183.927 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(103, 120, 117) }
```

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

```
.border{ border-color:rgb(103, 120, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 120, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 120, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 120, 117); box-shadow:4px 4px 4px 4px rgb(103, 120, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.931, 183.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 120, 117) }
```

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

```
.background{ background-color: rgb(103,  
120, 117) }
```

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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