

Converting Colors

CIELCh(48, 4.693, 266.729)

Have a look what the booklet for
CIELCh(48, 4.693, 266.729) contains.

CIELCh(48, 5.069, 268.205)	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(48, 5.069, 268.205)

Conversions

Conversions Part 1

Format	Color
Hex	6D727A
RGB	109, 114, 122
RGB Percent	43%, 45%, 48%
CMY	0.5713, 0.5516, 0.5203
CMYK	0.11, 0.07, 0.00, 0.52
HSL	217°, 6%, 45%
HSV	217°, 11%, 48%
XYZ	15.9351, 16.7945, 20.9226
YIQ	113.4170, -5.5480, 1.4280

Conversions

Conversions Part 2

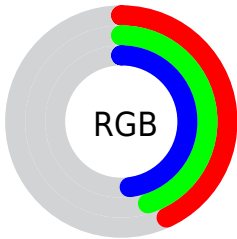
Format	Color
R _Y B	109, 113, 122
Decimal	7172730
CIE Lab	48.00, -0.16, -5.07
CIE LCh	48, 5.069, 268.205
Yxy	16.7945, 0.2970, 0.3130
Android (android.graphics.Color)	4285362810 (0xFF6D727A)
YUV	113.4170, 4.2314, -3.8737
Hunter-Lab	40.9810, -2.3088, -1.5834

Details

The CIELCh color $48, 5.069, 268.205$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 5.103, 85.474$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 4.747, 267.821$, and $28, 4.954, 265.952$ is the 20% darker color. If you saturate the color by 10%, you get $45, 9.873, 269.668$, and if you desaturate by 10%, it is $51, 0.305, 267.504$.

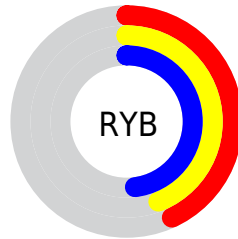
Distribution



Red (43%)

Green (45%)

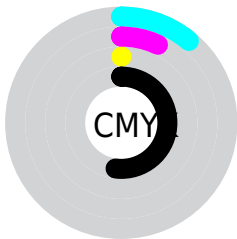
Blue (48%)



Red (43%)

Yellow (44%)

Blue (48%)

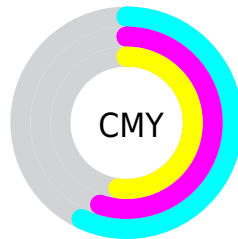


Cyan (11%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (57%)













Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 5.069, 268.205 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 48, 5.069, 268.205 by changing the saturation by 10% instead.

 48, 5.069, 268.205	 48, 5.069, 268.205
 100, 5.069, 268.205	 38, 5.069, 268.205
 68, 5.069, 268.205	 28, 5.069, 268.205
 78, 5.069, 268.205	 18, 5.069, 268.205
 88, 5.069, 268.205	 8, 5.069, 268.205
 98, 5.069, 268.205	 0, 5.069, 268.205

 48, 5.069, 268.205	 48, 5.069, 268.205
 45, 9.873, 269.668	 51, 0.305, 267.504
 42, 14.716, 271.400	 54, 4.412, 85.708

■ 39, 19.597,
273.423

■ 57, 9.079, 84.759

■ 36, 24.524,
275.777

■ 61, 13.692, 83.914

■ 64, 18.247, 83.166

■ 33, 29.510,
278.495

■ 67, 22.741, 82.500

■ 30, 34.581,
281.586

■ 70, 27.172, 81.904

■ 73, 31.539, 81.367

■ 27, 39.765,
285.017

■ 76, 35.842, 80.882

■ 24, 45.080,
288.696

■ 22, 50.190,
291.985

Harmonies

Complementary

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



48, 5.069, 268.205



50, 5.103, 85.474

Rectangle

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



48, 5.069, 268.205



48, 5.069, 318.205



48, 5.069, 88.205



48, 5.069, 138.205

Sweetspot

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



48, 5.068, 268.193



64, 1.763, 267.297



50, 6.035, 168.554



33, 1.329, 267.361



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 5.068, 268.193



60, 7.652, 268.564



47, 7.744, 294.988



24, 2.685, 267.986



22, 51.077, 292.076



46, 90.947, 294.237

Inverse Universe

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



47, 6.104, 351.250



59, 9.244, 351.515



51, 7.565, 113.284



24, 3.227, 351.097



25, 49.958, 11.202



54, 84.671, 14.292

Previews

White Background



This preview shows how the CIELCh color 48, 5.069, 268.205 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 48, 5.069, 268.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

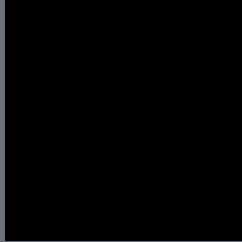
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

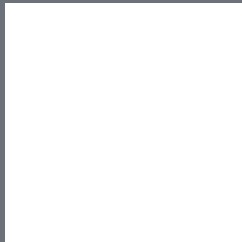
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 5.069, 268.205

Background



This preview shows how black text looks on a background with the CIELCh color 48, 5.069, 268.205.



This preview shows how white text looks on a background with the CIELCh color 48, 5.069, 268.205.

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


48, 5.069, 268.205

Protanopia

48, 5.333, 295.127

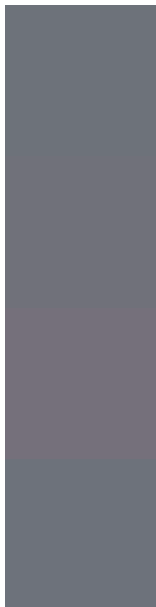
Deuteranopia

48, 8.159, 320.203



Tritanopia
48, 5.615, 270.659

Trichromacy



Original Color

48, 5.069, 268.205

Protanomaly

48, 5.322, 286.674

Deuteranomaly

48, 6.815, 307.855

Tritanomaly

48, 5.615, 270.659

Monochromacy



Original Color

48, 5.069, 268.205

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 1.932, 266.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 5.069, 268.205 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(109, 114, 122)` looks like.

```
.text, #text, p{  
    color:rgb(109, 114, 122)  
}
```

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(109, 114, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 114, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 5.069, 268.205 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(109, 114, 122) }
```

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

```
.border{ border-color:rgb(109, 114, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 114, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 114, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 114, 122);  
box-shadow:4px 4px 4px 4px rgb(109, 114,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 5.069, 268.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 114, 122) }
```

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

```
.background{ background-color: rgb(109,  
114, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor