

Converting Colors

CIELCh(48, 6.120, 272.249)

Have a look what the booklet for
CIELCh(48, 6.120, 272.249) contains.

CIELCh(48, 6.168, 272.690)	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, 6.168, 272.690)

Conversions

Conversions Part 1

Format	Color
Hex	6D727C
RGB	109, 114, 124
RGB Percent	43%, 45%, 49%
CMY	0.5719, 0.5523, 0.5130
CMYK	0.12, 0.08, 0.00, 0.51
HSL	220°, 6%, 46%
HSV	220°, 12%, 49%
XYZ	16.0129, 16.7945, 21.5236
YIQ	113.6450, -6.1900, 2.0500

Conversions

Conversions Part 2

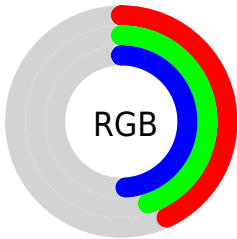
Format	Color
R _Y B	109, 113, 124
Decimal	7172732
CIE Lab	48.00, 0.29, -6.16
CIE LCh	48, 6.168, 272.690
Yxy	16.7945, 0.2947, 0.3091
Android (android.graphics.Color)	4285362812 (0xFF6D727C)
YUV	113.6450, 5.1050, -4.0737
Hunter-Lab	40.9810, -1.9697, -2.4529

Details

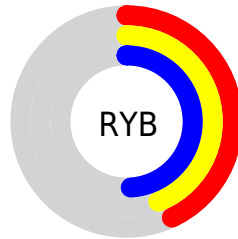
The CIELCh color $48, 6.168, 272.690$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 6.175, 89.652$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 5.774, 272.252$, and $28, 6.141, 271.539$ is the 20% darker color. If you saturate the color by 10%, you get $45, 11.352, 274.164$, and if you desaturate by 10%, it is $51, 1.060, 271.523$.

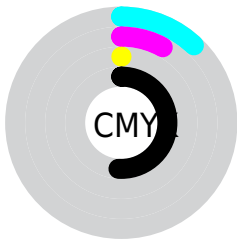
Distribution



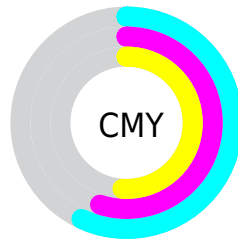
- Red (43%)
- Green (45%)
- Blue (49%)



- Red (43%)
- Yellow (44%)
- Blue (49%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (51%)



- Cyan (57%)
- Magenta (55%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 6.168, 272.690 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, 6.168, 272.690 by changing the saturation by 10% instead.

■ 48, 6.168, 272.690

■ 48, 6.168, 272.690

■ 100, 6.168,
272.690

■ 38, 6.168, 272.690

■ 68, 6.168, 272.690

■ 28, 6.168, 272.690

■ 78, 6.168, 272.690

■ 18, 6.168, 272.690

■ 88, 6.168, 272.690

■ 8, 6.168, 272.690

■ 98, 6.168, 272.690

■ 0, 6.168, 272.690

■ 48, 6.168, 272.690

■ 48, 6.168, 272.690

■ 45, 11.352,
274.164

■ 51, 1.060, 271.523

■ 41, 16.619,

■ 55, 3.969, 90.200

275.898

58, 8.920, 89.248

38, 21.972,
277.915

61, 13.791, 88.398

35, 27.424,
280.253

65, 18.582, 87.645

31, 32.995,
282.935

68, 23.292, 86.975

28, 38.708,
285.959

71, 27.921, 86.376

25, 44.575,
289.271

75, 32.470, 85.837

22, 50.569,
292.756

20, 55.371,
295.308

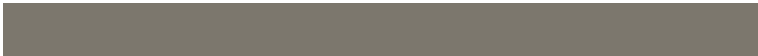
Harmonies

Complementary

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



48, 6.168, 272.690



50, 6.175, 89.652

Rectangle

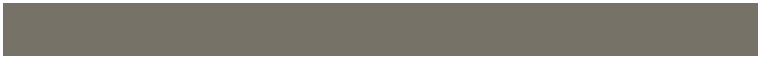
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48, 6.168, 272.690



48, 6.168, 322.690



48, 6.168, 92.690



48, 6.168, 142.690

Sweetspot

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



48, 6.167, 272.681



64, 2.510, 271.689



51, 6.713, 171.573



34, 1.798, 271.759



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 6.167, 272.681



60, 8.836, 272.994



47, 8.960, 296.980



24, 2.835, 272.280



20, 55.658, 295.333



43, 99.035, 297.297

Inverse Universe

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



48, 6.841, 354.743



60, 9.824, 354.976



51, 8.734, 115.202



24, 3.134, 354.435



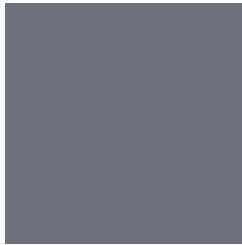
25, 50.560, 15.981



53, 86.217, 19.231

Previews

White Background



This preview shows how the CIELCh color 48, 6.168, 272.690 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, 6.168, 272.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

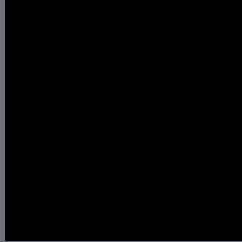
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

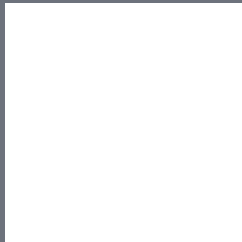
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 6.168, 272.690

Background



This preview shows how black text looks on a background with the CIELCh color 48, 6.168, 272.690.



This preview shows how white text looks on a background with the CIELCh color 48, 6.168, 272.690.

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, 6.168, 272.690

Protanopia

48, 5.903, 290.975

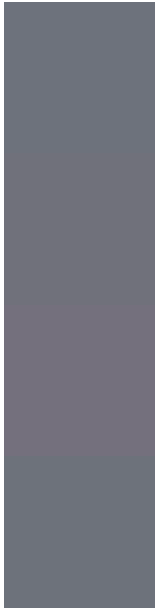
Deuteranopia

48, 9.035, 314.331



Tritanopia
48, 5.615, 270.659

Trichromacy



Original Color
48, 6.168, 272.690

Protanomaly
48, 5.910, 287.186

Deuteranomaly
48, 7.859, 302.672

Tritanomaly
48, 5.615, 270.659

Monochromacy



Original Color
48, 6.168, 272.690

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 2.479, 271.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 6.168, 272.690 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(109, 114, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 114, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 6.168, 272.690 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, 124) }
```

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

```
.border{ border-color:rgb(109, 114, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 114, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 114, 124);  
box-shadow:4px 4px 4px 4px rgb(109, 114,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 6.168, 272.690 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, 124) }
```

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

```
.background{ background-color: rgb(109,  
114, 124) }
```

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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