

Converting Colors

CIELCh(48, 27.732, 293.069)

Have a look what the booklet for
CIELCh(48, 27.732, 293.069)
contains.

CIELCh(48, 27.732, 293.069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 27.732, 293.069)

Conversions

Conversions Part 1

Format	Color
Hex	6D6E9D
RGB	109, 110, 157
RGB Percent	43%, 43%, 62%
CMY	0.5731, 0.5691, 0.3849
CMYK	0.31, 0.30, 0.00, 0.38
HSL	239°, 20%, 52%
HSV	239°, 31%, 62%
XYZ	17.9243, 16.7945, 34.1301
YIQ	115.0590, -15.6830, 14.4050

Conversions

Conversions Part 2

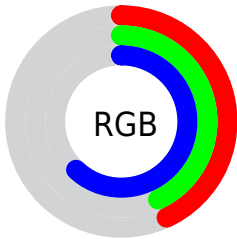
Format	Color
R _Y B	109, 110, 157
Decimal	7171741
CIE Lab	48.00, 10.87, -25.51
CIE LCh	48, 27.732, 293.069
Yxy	16.7945, 0.2603, 0.2439
Android (android.graphics.Color)	4285361821 (0xFF6D6E9D)
YUV	115.0590, 20.6769, -5.3137
Hunter-Lab	40.9810, 6.3554, -20.6915

Details

The CIELCh color $48, 27.732, 293.069$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 25.863, 106.387$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 28.154, 293.662$, and $28, 27.152, 292.343$ is the 20% darker color. If you saturate the color by 10%, you get $43, 37.565, 294.729$, and if you desaturate by 10%, it is $53, 18.294, 291.644$.

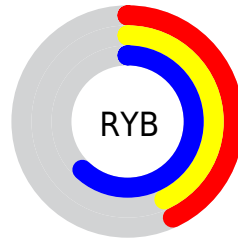
Distribution



Red (43%)

Green (43%)

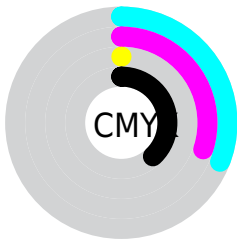
Blue (62%)



Red (43%)

Yellow (43%)

Blue (62%)

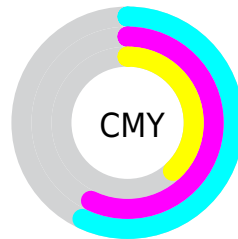


Cyan (31%)

Magenta (30%)

Yellow (0%)

Black (38%)



Cyan (57%)

Magenta (57%)

Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.732, 293.069 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, 27.732, 293.069 by changing the saturation by 10% instead.

 48, 27.732,
293.069


 48, 27.732,
293.069


 100, 27.732,
293.069


 38, 27.732,
293.069

 68, 27.732,
293.069


 28, 27.732,
293.069

 78, 27.732,
293.069

 18, 27.732,
293.069

 88, 27.732,
293.069

 8, 27.732, 293.069

 98, 27.732,
293.069

 0, 27.732, 293.069

 48, 27.732,

 48, 27.732,

293.069

43, 37.565,
294.729

37, 47.790,
296.636

32, 58.322,
298.759

27, 68.879,
300.998

23, 78.792,
303.147

20, 86.867,
304.902

18, 92.037,
305.980

293.069

53, 18.294,
291.644

59, 9.232, 290.433

64, 0.518, 289.509

70, 7.875, 108.502

75, 15.969,
107.752

80, 23.787,
107.105

86, 31.345,
106.546

91, 38.660,
106.062

96, 45.749,

Harmonies

Complementary

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



48, 27.732, 293.069



63, 25.863, 106.387

Rectangle

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



48, 27.732, 293.069



48, 27.732, 343.069



48, 27.732, 113.069



48, 27.732, 163.069

Sweetspot

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



48, 27.731, 293.069



76, 9.687, 290.276



61, 16.929, 194.838



39, 6.733, 290.426



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



48, 27.731, 293.069



57, 42.156, 294.226



50, 29.383, 309.419



31, 4.946, 290.285



16, 85.816, 305.943



0, 6.376, 289.380

Inverse Universe

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



51, 20.539, 20.309



62, 31.510, 21.276



62, 28.086, 126.473



31, 3.534, 18.203



29, 66.374, 38.330



1, 4.476, 17.752

Previews

White Background



This preview shows how the CIELCh color 48, 27.732, 293.069 looks on a white background.

Color Contrast Check

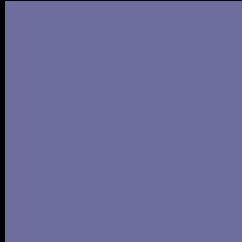
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.732, 293.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

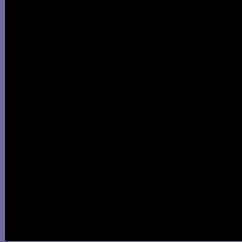
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 27.732, 293.069

Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.732, 293.069.



This preview shows how white text looks on a background with the CIELCh color 48, 27.732, 293.069.

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

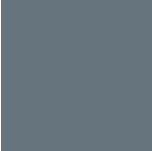
48, 27.732, 293.069

Protanopia

48, 27.847, 285.636

Deuteranopia

48, 26.081, 285.468



Tritanopia
48, 7.405, 244.969

Trichromacy



Original Color
48, 27.732, 293.069

Protanomaly
48, 27.772, 288.288

Deuteranomaly
48, 26.587, 288.559

Tritanomaly
48, 13.937, 276.824

Monochromacy



Original Color
48, 27.732, 293.069

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 10.028, 291.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 27.732, 293.069 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, 110, 157)` looks like.

```
.text, #text, p{  
    color:rgb(109, 110, 157)  
}
```

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, 110, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 110, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.732, 293.069 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, 110, 157) }
```

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

```
.border{ border-color:rgb(109, 110, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 110, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 110, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 110, 157); box-shadow:4px 4px 4px 4px rgb(109, 110, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.732, 293.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 110, 157) }
```

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

```
.background{ background-color: rgb(109,  
110, 157) }
```

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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