

Converting Colors

CIELCh(48, 21.575, 294.396)

Have a look what the booklet for
CIELCh(48, 21.575, 294.396)
contains.

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Color

CIELCh(48, 21.894, 294.903)

Conversions

Conversions Part 1

Format	Color
Hex	706E93
RGB	112, 110, 147
RGB Percent	44%, 43%, 58%
CMY	0.5596, 0.5675, 0.4223
CMYK	0.24, 0.25, 0.00, 0.42
HSL	243°, 15%, 51%
HSV	243°, 25%, 58%
XYZ	17.6171, 16.7945, 30.0424
YIQ	114.8160, -10.6850, 11.9310

Conversions

Conversions Part 2

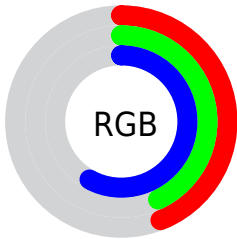
Format	Color
RYB	112, 110, 147
Decimal	7368339
CIELab	48.00, 9.22, -19.86
CIELCh	48, 21.894, 294.903
Yxy	16.7945, 0.2733, 0.2606
Android (android.graphics.Color)	4285558419 (0xFF706E93)
YUV	114.8160, 15.8667, -2.4696
Hunter-Lab	40.9810, 5.0175, -14.7776

Details

The CIELCh color $48, 21.894, 294.903$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 20.670, 110.150$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 21.548, 294.171$, and $28, 21.391, 294.184$ is the 20% darker color. If you saturate the color by 10%, you get $43, 31.237, 296.242$, and if you desaturate by 10%, it is $53, 12.920, 293.750$.

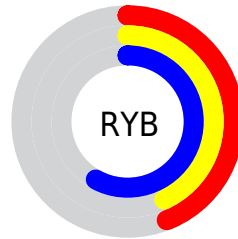
Distribution



 Red (44%)

 Green (43%)

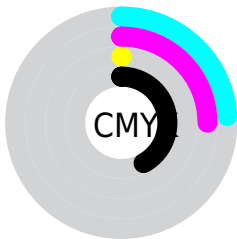
 Blue (58%)



 Red (44%)

 Yellow (43%)

 Blue (58%)

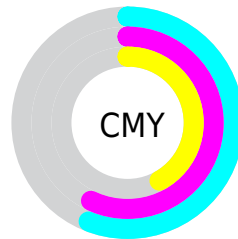


 Cyan (24%)

 Magenta (25%)

 Yellow (0%)

 Black (42%)



 Cyan (56%)

 Magenta (57%)

 Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 21.894, 294.903 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, 21.894, 294.903 by changing the saturation by 10% instead.


 48, 21.894,
294.903


 48, 21.894,
294.903


 100, 21.894,
294.903


 38, 21.894,
294.903

 68, 21.894,
294.903


 28, 21.894,
294.903

 78, 21.894,
294.903

 18, 21.894,
294.903

 88, 21.894,
294.903

 8, 21.894, 294.903

 98, 21.894,
294.903

 0, 21.894, 294.903

 48, 21.894,

 48, 21.894,

294.903

43, 31.237,
296.242

38, 40.952,
297.782

33, 50.987,
299.509

28, 61.160,
301.368

23, 71.021,
303.223

20, 79.682,
304.841

17, 85.936,
305.957

16, 88.584,
306.497

294.903

53, 12.920,
293.750

58, 4.299, 292.767

64, 3.993, 111.906


69, 11.980,
111.189

74, 19.684,
110.570

79, 27.123,
110.037

84, 34.316,
109.576

89, 41.279,
109.178

 94, 48.025,
108.831

Harmonies

Complementary

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



48, 21.894, 294.903



60, 20.670, 110.150

Rectangle

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



48, 21.894, 294.903



48, 21.894, 344.903



48, 21.894, 114.903



48, 21.894, 164.903

Sweetspot

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



48, 21.893, 294.902



72, 8.342, 293.048



58, 12.710, 203.031



37, 5.991, 293.183



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 21.893, 294.902



58, 32.703, 295.613



50, 23.091, 311.901



29, 4.786, 293.148



15, 84.315, 306.515



0, 4.118, 292.309

Inverse Universe

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



51, 24.790, 327.296



63, 36.569, 327.596



59, 22.413, 129.697



29, 5.566, 326.405



32, 70.119, 330.454



1, 4.841, 325.923

Previews

White Background



This preview shows how the CIELCh color 48, 21.894, 294.903 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 CIELCh color 48, 21.894, 294.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

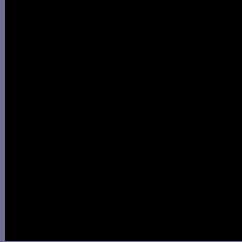
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 21.894, 294.903

Background



This preview shows how black text looks on a background with the CIELCh color 48, 21.894, 294.903.



This preview shows how white text looks on a background with the CIELCh color 48, 21.894, 294.903.

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

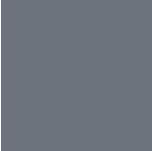
48, 21.894, 294.903

Protanopia

48, 21.350, 284.546

Deuteranopia

48, 20.677, 288.004



Tritanopia
48, 5.898, 263.598

Trichromacy



Original Color
48, 21.894, 294.903

Protanomaly
48, 21.261, 288.230

Deuteranomaly
48, 21.254, 291.062

Tritanomaly
48, 11.242, 285.908

Monochromacy



Original Color
48, 21.894, 294.903

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.276, 293.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 21.894, 294.903 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(112, 110, 147)` looks like.

```
.text, #text, p{  
    color:rgb(112, 110, 147)  
}
```

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(112, 110, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 110, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 21.894, 294.903 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(112, 110, 147) }
```

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

```
.border{ border-color:rgb(112, 110, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 110, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 110, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 110, 147);  
box-shadow:4px 4px 4px 4px rgb(112, 110,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 21.894, 294.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 110, 147) }
```

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

```
.background{ background-color: rgb(112,  
110, 147) }
```

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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