

Converting Colors

CIELCh(48, 43.632, 270.865)

Have a look what the booklet for
CIELCh(48, 43.632, 270.865)
contains.

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Color

CIELCh(48, 43.199, 270.325)

Conversions

Conversions Part 1

Format	Color
Hex	2176BB
RGB	33, 118, 187
RGB Percent	13%, 46%, 73%
CMY	0.8724, 0.5382, 0.2677
CMYK	0.83, 0.37, 0.00, 0.27
HSL	207°, 70%, 43%
HSV	207°, 83%, 73%
XYZ	16.0052, 16.7945, 49.2676
YIQ	100.4510, -72.8090, 3.4390

Conversions

Conversions Part 2

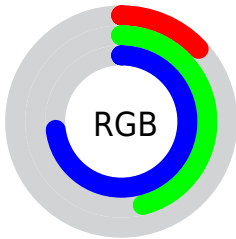
Format	Color
R_{YB}	33, 88, 187
Decimal	2193083
CIE _{Lab}	48.00, 0.25, -43.20
CIE _{LCh}	48, 43.199, 270.325
Yxy	16.7945, 0.1950, 0.2046
Android (android.graphics.Color)	4280383163 (0xFF2176BB)
YUV	100.4510, 42.6687, -59.1545
Hunter-Lab	40.9810, -2.0034, -42.5920

Details

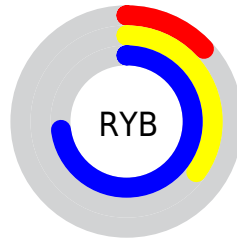
The CIELCh color **48, 43.199, 270.325** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **52, 58.821, 59.968**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 43.275, 270.361**, and **30, 41.157, 279.969** is the 20% darker color. If you saturate the color by 10%, you get **45, 47.835, 274.958**, and if you desaturate by 10%, it is **51, 38.565, 266.120**.

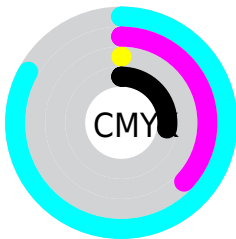
Distribution



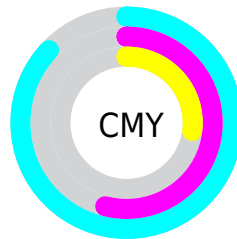
- Red (13%)
- Green (46%)
- Blue (73%)



- Red (13%)
- Yellow (35%)
- Blue (73%)



- Cyan (83%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)





- Cyan (87%)
- Magenta (54%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 43.199, 270.325 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, 43.199, 270.325 by changing the saturation by 10% instead.


 48, 43.199,
270.325


 48, 43.199,
270.325


 100, 43.199,
270.325


 38, 43.199,
270.325

 68, 43.199,
270.325


 28, 43.199,
270.325

 78, 43.199,
270.325

 18, 43.199,
270.325

 88, 43.199,
270.325

 8, 43.199, 270.325

 98, 43.199,
270.325

 0, 43.199, 270.325

 48, 43.199,

 48, 43.199,

270.325

■ 45, 47.835,
274.958

■ 43, 51.379,
278.428

270.325

■ 51, 38.565,
266.120

■ 54, 33.828,
262.437

■ 57, 28.915,
259.293

■ 61, 23.796,
256.652

■ 64, 18.471,
254.451

■ 68, 12.962,
252.627

■ 71, 7.297, 251.123

■ 75, 1.512, 250.051

Harmonies

Complementary

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



48, 43.199, 270.325



52, 58.821, 59.968

Rectangle

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



48, 43.199, 270.325



48, 43.199, 320.325



48, 43.199, 90.325



48, 43.199, 140.325

Sweetspot

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



48, 43.198, 270.326



84, 17.673, 253.109



67, 66.604, 149.700



44, 12.103, 253.747



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 43.198, 270.326



56, 62.793, 278.808



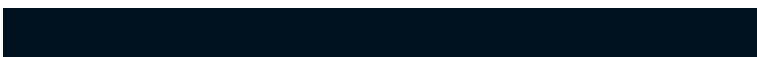
28, 88.999, 302.535



38, 3.327, 250.706



37, 44.908, 277.764



4, 10.959, 263.705

Inverse Universe

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



43, 65.030, 351.791



53, 82.304, 357.423



71, 68.308, 99.478



37, 5.162, 341.609



34, 60.146, 356.612



3, 14.397, 348.489

Previews

White Background



This preview shows how the CIE LCh color 48, 43.199, 270.325 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, 43.199, 270.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

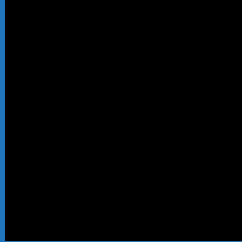
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 43.199, 270.325

Background



This preview shows how black text looks on a background with the CIELCh color 48, 43.199, 270.325.



This preview shows how white text looks on a background with the CIELCh color 48, 43.199, 270.325.

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, 43.199, 270.325

Protanopia

48, 41.456, 285.931

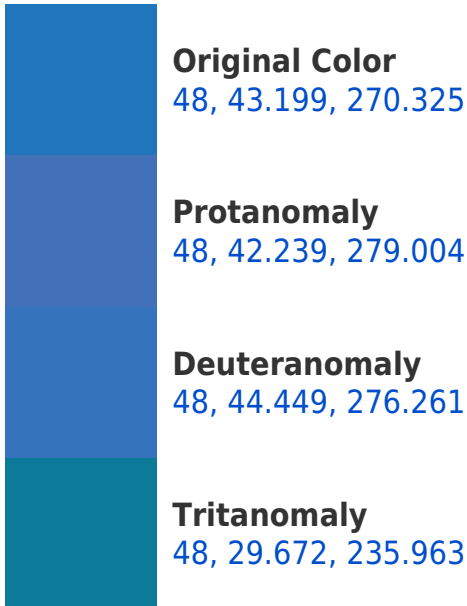
Deuteranopia

48, 44.489, 279.558

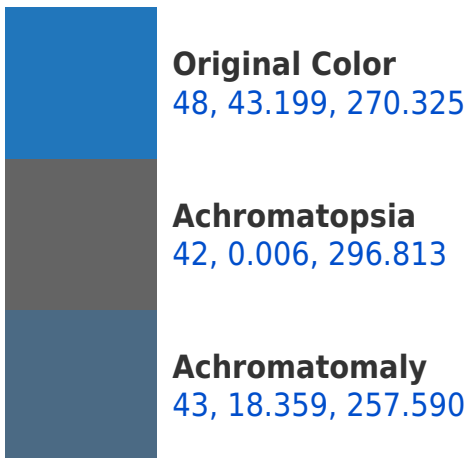


Tritanopia
48, 28.740, 207.411

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 43.199, 270.325 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(33, 118, 187)` looks like.

```
.text, #text, p{  
    color:rgb(33, 118, 187)  
}
```

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(33, 118, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 118, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 43.199, 270.325 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(33, 118, 187) }
```

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

```
.border{ border-color:rgb(33, 118, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 118, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 118, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 118, 187);  
box-shadow:4px 4px 4px 4px rgb(33, 118,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 43.199, 270.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 118, 187) }
```

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

```
.background{ background-color: rgb(33, 118,  
187) }
```

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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