

Converting Colors

CIELCh(48, 45.490, 274.042)

Have a look what the booklet for
CIELCh(48, 45.490, 274.042)
contains.

CIELCh(48, 45.976, 274.614)	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, 45.976, 274.614)

Conversions

Conversions Part 1

Format	Color
Hex	2974BF
RGB	41, 116, 191
RGB Percent	16%, 45%, 75%
CMY	0.8411, 0.5440, 0.2497
CMYK	0.79, 0.39, 0.00, 0.25
HSL	210°, 65%, 45%
HSV	210°, 79%, 75%
XYZ	16.6133, 16.7945, 51.8416
YIQ	102.1250, -68.7750, 7.4250

Conversions

Conversions Part 2

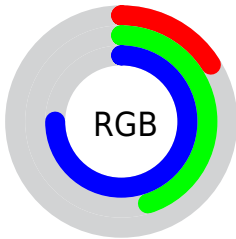
Format	Color
R _Y B	41, 91, 191
Decimal	2716863
CIE Lab	48.00, 3.70, -45.83
CIE LCh	48, 45.976, 274.614
Yxy	16.7945, 0.1949, 0.1970
Android (android.graphics.Color)	4280906943 (0xFF2974BF)
YUV	102.1250, 43.8154, -53.6066
Hunter-Lab	40.9810, 0.6453, -46.3159

Details

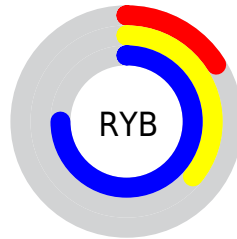
The CIELCh color **48, 45.976, 274.614** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **56, 56.767, 64.958**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 45.802, 274.566**, and **30, 44.102, 282.497** is the 20% darker color. If you saturate the color by 10%, you get **45, 51.578, 278.958**, and if you desaturate by 10%, it is **51, 40.433, 270.669**.

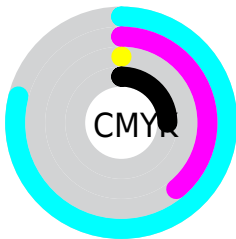
Distribution



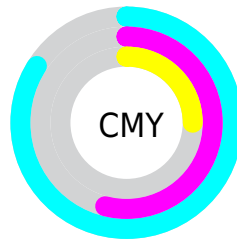
- Red (16%)
- Green (45%)
- Blue (75%)



- Red (16%)
- Yellow (36%)
- Blue (75%)



- Cyan (79%)
- Magenta (39%)
- Yellow (0%)
- Black (25%)




- Cyan (84%)
- Magenta (54%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 45.976, 274.614 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, 45.976, 274.614 by changing the saturation by 10% instead.


 48, 45.976,
274.614


 48, 45.976,
274.614


 100, 45.976,
274.614


 38, 45.976,
274.614

 68, 45.976,
274.614

 28, 45.976,
274.614

 78, 45.976,
274.614

 18, 45.976,
274.614

 88, 45.976,
274.614

 8, 45.976, 274.614

 98, 45.976,
274.614

 0, 45.976, 274.614

 48, 45.976,

 48, 45.976,

274.614

274.614

■ 45, 51.578,
278.958

■ 51, 40.433,
270.669

■ 42, 57.344,
283.452

■ 55, 34.861,
267.203

■ 41, 58.047,
283.953

■ 59, 29.200,
264.228

■ 62, 23.420,
261.709

■ 66, 17.521,
259.592

■ 70, 11.515,
257.820

■ 74, 5.425, 256.353

■ 78, 0.724, 74.522

Harmonies

Complementary

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



48, 45.976, 274.614



56, 56.767, 64.958

Rectangle

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



48, 45.976, 274.614



48, 45.976, 324.614



48, 45.976, 94.614



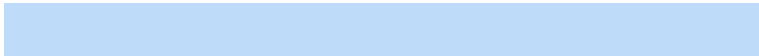
48, 45.976, 144.614

Sweetspot

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



48, 45.975, 274.615



87, 18.183, 258.769



69, 62.690, 152.777



44, 12.459, 259.433



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



48, 45.975, 274.615



55, 68.462, 282.477



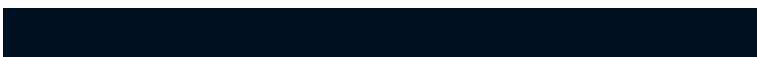
29, 90.976, 303.139



39, 3.525, 256.426



35, 50.347, 283.312



5, 12.789, 269.201

Inverse Universe

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



44, 63.567, 354.603



54, 82.904, 0.556



75, 70.305, 102.577



38, 5.099, 344.251



34, 60.068, 1.278



3, 15.852, 352.191

Previews

White Background



This preview shows how the CIE LCh color 48, 45.976, 274.614 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, 45.976, 274.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

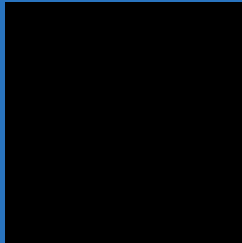
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 45.976, 274.614

Background



This preview shows how black text looks on a background with the CIELCh color 48, 45.976, 274.614.

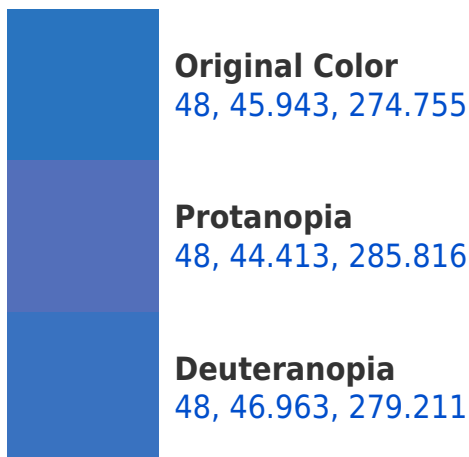


This preview shows how white text looks on a background with the CIELCh color 48, 45.976, 274.614.

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





Tritanopia
48, 28.740, 207.411

Trichromacy



Original Color
48, 45.943, 274.755

Protanomaly
48, 44.924, 280.961

Deuteranomaly
48, 46.639, 277.437

Tritanomaly
47, 29.894, 238.729

Monochromacy



Original Color
48, 45.943, 274.755

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 18.226, 262.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 45.976, 274.614 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(41, 116, 191)` looks like.

```
.text, #text, p{  
    color:rgb(41, 116, 191)  
}
```

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(41, 116, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 116, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 45.976, 274.614 is called "border". The border property can be set on classes, ids or directly on the HTML element.

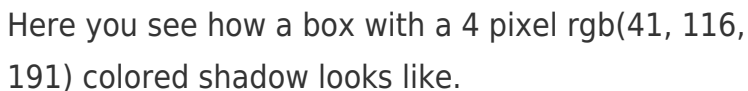
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(41, 116, 191) }
```

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

```
.border{ border-color:rgb(41, 116, 191) }
```

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



Here you see how a box with a 4 pixel rgb(41, 116, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 116, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 116, 191);  
box-shadow:4px 4px 4px 4px rgb(41, 116,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 45.976, 274.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 116, 191) }
```

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

```
.background{ background-color: rgb(41, 116,  
191) }
```

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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