

Converting Colors

CIELCh(48, 45.148, 270.120)

Have a look what the booklet for
CIELCh(48, 45.148, 270.120)
contains.

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Color

CIELCh(48, 45.148, 270.120)

Conversions

Conversions Part 1

Format	Color
Hex	0E76BE
RGB	14, 118, 190
RGB Percent	5%, 46%, 75%
CMY	0.9437, 0.5369, 0.2545
CMYK	0.92, 0.38, 0.00, 0.25
HSL	205°, 86%, 40%
HSV	205°, 92%, 75%
XYZ	15.9790, 16.7945, 51.1682
YIQ	95.1120, -85.0960, 0.3440

Conversions

Conversions Part 2

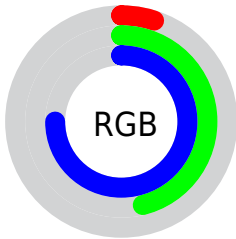
Format	Color
R_{YB}	14, 79, 190
Decimal	947902
CIE _{Lab}	48.00, 0.09, -45.15
CIE _{LCh}	48, 45.148, 270.120
Yxy	16.7945, 0.1904, 0.2001
Android (android.graphics.Color)	4279137982 (0xFF0E76BE)
YUV	95.1120, 46.7798, -71.1352
Hunter-Lab	40.9810, -2.1173, -45.3417

Details

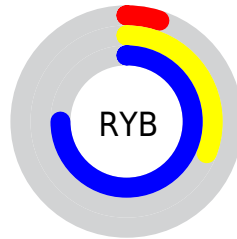
The CIELCh color **48, 45.148, 270.120** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **49, 67.124, 55.214**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 45.114, 270.101**, and **30, 42.890, 281.322** is the 20% darker color. If you saturate the color by 10%, you get **46, 48.266, 273.782**, and if you desaturate by 10%, it is **51, 41.111, 265.390**.

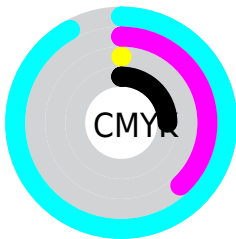
Distribution



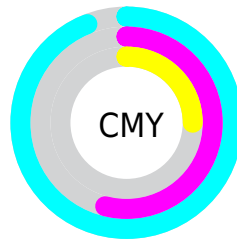
- Red (5%)
- Green (46%)
- Blue (75%)



- Red (5%)
- Yellow (31%)
- Blue (75%)



- Cyan (92%)
- Magenta (38%)
- Yellow (0%)
- Black (25%)





- Cyan (94%)
- Magenta (54%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 45.148, 270.120 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, 45.148, 270.120 by changing the saturation by 10% instead.


 48, 45.148,
270.120


 48, 45.148,
270.120


 100, 45.148,
270.120


 38, 45.148,
270.120

 68, 45.148,
270.120


 28, 45.148,
270.120

 78, 45.148,
270.120

 18, 45.148,
270.120

 88, 45.148,
270.120

 8, 45.148, 270.120

 98, 45.148,
270.120

 0, 45.148, 270.120

 48, 45.148,

 48, 45.148,

270.120

■ 46, 48.266,
273.782

270.120

■ 51, 41.111,
265.390

■ 53, 36.997,
261.155

■ 56, 32.688,
257.494

■ 59, 28.116,
254.407

■ 63, 23.259,
251.840

■ 66, 18.127,
249.725

■ 69, 12.751,
247.989

■ 73, 7.172, 246.576

Harmonies

Complementary

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



48, 45.148, 270.120



49, 67.124, 55.214

Rectangle

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



48, 45.148, 270.120



48, 45.148, 320.120



48, 45.148, 90.120



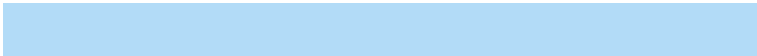
48, 45.148, 140.120

Sweetspot

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



48, 45.147, 270.121



85, 19.509, 248.990



68, 75.001, 146.189



44, 13.474, 249.798



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, 45.147, 270.121



59, 59.622, 274.658



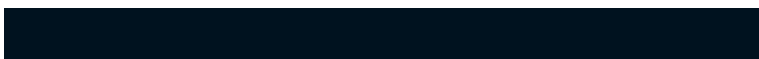
26, 96.833, 303.738



38, 3.259, 246.203



38, 41.634, 273.024



5, 10.563, 259.785

Inverse Universe

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



42, 69.178, 351.592



54, 84.781, 354.395



70, 71.012, 96.566



37, 5.299, 339.758



34, 61.006, 353.323



3, 14.763, 346.255

Previews

White Background



This preview shows how the CIE LCh color 48, 45.148, 270.120 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, 45.148, 270.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

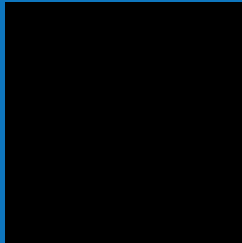
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 45.148, 270.120

Background



This preview shows how black text looks on a background with the CIELCh color 48, 45.148, 270.120.



This preview shows how white text looks on a background with the CIELCh color 48, 45.148, 270.120.

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, 45.148, 270.120

Protanomaly
48, 43.667, 277.450

Deuteranomaly
48, 46.397, 275.758

Tritanomaly
48, 30.166, 236.671

Monochromacy



Original Color
48, 45.148, 270.120

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 19.785, 254.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 45.148, 270.120 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(14, 118, 190)` looks like.

```
.text, #text, p{  
    color:rgb(14, 118, 190)  
}
```

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(14, 118, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 118, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 45.148, 270.120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

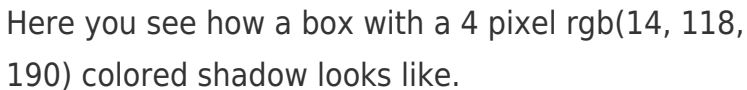
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(14, 118, 190) }
```

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

```
.border{ border-color:rgb(14, 118, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(14, 118, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(14, 118, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(14, 118, 190); box-shadow:4px 4px 4px 4px rgb(14, 118, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 45.148, 270.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 118, 190) }
```

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

```
.background{ background-color: rgb(14, 118,  
190) }
```

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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