

Converting Colors

CIELCh(50, 46.724, 275.116)

Have a look what the booklet for
CIELCh(50, 46.724, 275.116)
contains.

CIELCh(50, 46.724, 275.116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 46.724, 275.116)

Conversions

Conversions Part 1

Format	Color
Hex	3079C6
RGB	48, 121, 198
RGB Percent	19%, 47%, 78%
CMY	0.8110, 0.5250, 0.2230
CMYK	0.76, 0.39, 0.00, 0.22
HSL	211°, 61%, 48%
HSV	211°, 76%, 78%
XYZ	18.2869, 18.4187, 56.0948
YIQ	107.9510, -68.2250, 8.4710

Conversions

Conversions Part 2

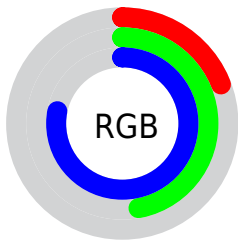
Format	Color
RYB	48, 97, 198
Decimal	3176902
CIELab	50.00, 4.17, -46.54
CIELCh	50, 46.724, 275.116
Yxy	18.4187, 0.1971, 0.1985
Android (android.graphics.Color)	4281366982 (0xFF3079C6)
YUV	107.9510, 44.3942, -52.5770
Hunter-Lab	42.9170, 0.9540, -47.4533

Details

The CIELCh color **50, 46.724, 275.116** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **59, 56.030, 66.896**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.611, 274.913**, and **31, 45.634, 282.390** is the 20% darker color. If you saturate the color by 10%, you get **47, 52.747, 279.312**, and if you desaturate by 10%, it is **54, 40.763, 271.333**.

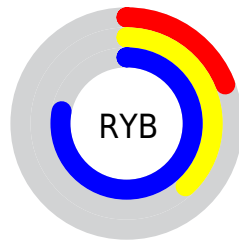
Distribution



Red (19%)

Green (47%)

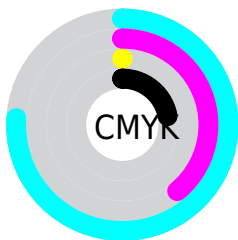
Blue (78%)



Red (19%)

Yellow (38%)

Blue (78%)

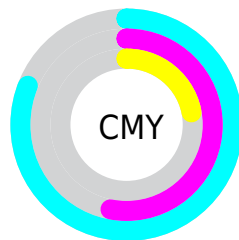


Cyan (76%)

Magenta (39%)

Yellow (0%)

Black (22%)



Cyan (81%)


Magenta (53%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 46.724, 275.116 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 50, 46.724, 275.116 by changing the saturation by 10% instead.


 50, 46.724,
275.116


 50, 46.724,
275.116


 100, 46.724,
275.116


 40, 46.724,
275.116


 70, 46.724,
275.116

 30, 46.724,
275.116


 80, 46.724,
275.116


 20, 46.724,
275.116

 90, 46.724,
275.116

 10, 46.724,
275.116

 0, 46.724, 275.116

 50, 46.724,
275.116

 50, 46.724,
275.116

47, 52.747,
279.312

54, 40.763,
271.333

43, 58.920,
283.762

57, 34.784,
268.024

42, 61.672,
285.613

61, 28.733,
265.190

65, 22.588,
262.790

69, 16.347,
260.771

73, 10.026,
259.078

78, 3.645, 257.698

82, 2.773, 76.248

86, 9.206, 75.289

Harmonies

Complementary

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



50, 46.724, 275.116



59, 56.030, 66.896

Rectangle

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



50, 46.724, 275.116



50, 46.724, 325.116



50, 46.724, 95.116



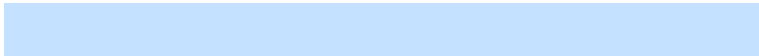
50, 46.724, 145.116

Sweetspot

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



50, 46.723, 275.117



88, 17.995, 260.349



71, 61.593, 154.188



45, 12.432, 261.021



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 46.723, 275.117



57, 68.751, 282.275



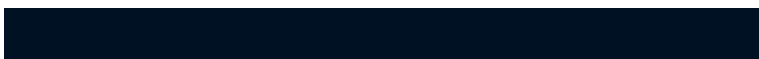
31, 91.372, 302.974



40, 3.648, 258.167



35, 52.648, 284.934



5, 14.241, 271.458

Inverse Universe

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



46, 63.525, 355.017



56, 83.322, 0.424



78, 71.349, 103.616



39, 5.155, 345.136



35, 60.612, 2.849



4, 17.727, 353.813

Previews

White Background



This preview shows how the CIE LCh color 50, 46.724, 275.116 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 46.724, 275.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

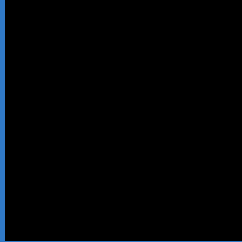
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

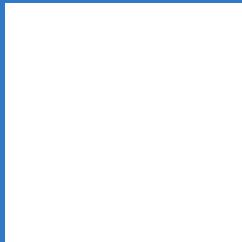
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 46.724, 275.116

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.724, 275.116.



This preview shows how white text looks on a background with the CIELCh color 50, 46.724, 275.116.

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
50, 46.724, 275.116

Protanopia
50, 45.266, 285.623

Deuteranopia
50, 47.745, 279.491



Tritanopia
50, 29.523, 208.237

Trichromacy



Original Color
50, 46.724, 275.116

Protanomaly
50, 45.745, 281.097

Deuteranomaly
50, 47.394, 277.877

Tritanomaly
49, 30.881, 239.731

Monochromacy



Original Color
50, 46.724, 275.116

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 18.593, 262.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.724, 275.116 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(48, 121, 198)` looks like.

```
.text, #text, p{  
    color:rgb(48, 121, 198)  
}
```

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(48, 121, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 121, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.724, 275.116 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(48, 121, 198) }
```

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

```
.border{ border-color:rgb(48, 121, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 121, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 121, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 121, 198);  
box-shadow:4px 4px 4px 4px rgb(48, 121,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.724, 275.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 121, 198) }
```

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

```
.background{ background-color: rgb(48, 121,  
198) }
```

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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