

Converting Colors

CIELCh(48, 32.212, 270.031)

Have a look what the booklet for
CIELCh(48, 32.212, 270.031)
contains.

CIELCh(48, 32.041, 269.742)	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, 32.041, 269.742)

Conversions

Conversions Part 1

Format	Color
Hex	4775A8
RGB	71, 117, 168
RGB Percent	28%, 46%, 66%
CMY	0.7229, 0.5423, 0.3425
CMYK	0.58, 0.30, 0.00, 0.34
HSL	212°, 41%, 47%
HSV	212°, 58%, 66%
XYZ	15.9376, 16.7945, 39.2887
YIQ	109.0600, -43.7870, 6.1090

Conversions

Conversions Part 2

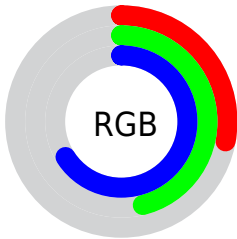
Format	Color
R _Y B	71, 102, 168
Decimal	4683176
CIE Lab	48.00, -0.14, -32.04
CIE LCh	48, 32.041, 269.742
Yxy	16.7945, 0.2213, 0.2332
Android (android.graphics.Color)	4282873256 (0xFF4775A8)
YUV	109.0600, 29.0574, -33.3786
Hunter-Lab	40.9810, -2.2979, -28.1548

Details

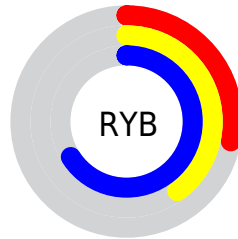
The CIELCh color `48, 32.041, 269.742` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `55, 36.743, 70.717`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 31.805, 269.165`, and `28, 32.209, 270.785` is the 20% darker color. If you saturate the color by 10%, you get `45, 37.403, 273.064`, and if you desaturate by 10%, it is `51, 26.642, 266.878`.

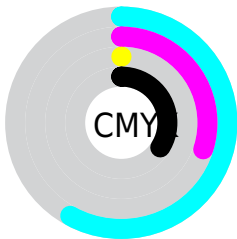
Distribution



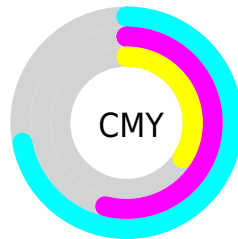
- Red (28%)
- Green (46%)
- Blue (66%)



- Red (28%)
- Yellow (40%)
- Blue (66%)



- Cyan (58%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)




- Cyan (72%)
- Magenta (54%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 32.041, 269.742 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, 32.041, 269.742 by changing the saturation by 10% instead.


 48, 32.041,
269.742


 48, 32.041,
269.742


 100, 32.041,
269.742

 38, 32.041,
269.742

 68, 32.041,
269.742


 28, 32.041,
269.742

 78, 32.041,
269.742

 18, 32.041,
269.742

 88, 32.041,
269.742

 8, 32.041, 269.742

 98, 32.041,
269.742

 0, 32.041, 269.742

 48, 32.041,

 48, 32.041,

269.742

269.742

■ 45, 37.403,
273.064

■ 51, 26.642,
266.878

■ 41, 42.778,
276.834

■ 55, 21.182,
264.440

■ 38, 48.235,
280.976

■ 59, 15.656,
262.379

■ 36, 53.848,
285.269

■ 62, 10.072,
260.642

■ 35, 55.086,
286.129

■ 66, 4.445, 259.199

■ 70, 1.206, 77.615

■ 73, 6.866, 76.743

■ 77, 12.518, 75.830

■ 81, 18.149, 75.027

Harmonies

Complementary

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



48, 32.041, 269.742



55, 36.743, 70.717

Rectangle

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



48, 32.041, 269.742



48, 32.041, 319.742



48, 32.041, 89.742



48, 32.041, 139.742

Sweetspot

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



48, 32.040, 269.742



79, 11.819, 260.554



62, 42.768, 158.227



41, 7.964, 260.860



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



48, 32.040, 269.742



57, 46.825, 273.919



35, 59.872, 299.298



34, 3.210, 259.386



31, 49.709, 285.637



2, 6.227, 264.648

Inverse Universe

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



44, 45.325, 351.791



52, 63.988, 354.312



67, 50.718, 105.676



33, 4.454, 345.776



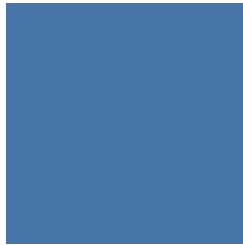
31, 56.339, 3.563



2, 7.689, 348.895

Previews

White Background



This preview shows how the CIE LCh color 48, 32.041, 269.742 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, 32.041, 269.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

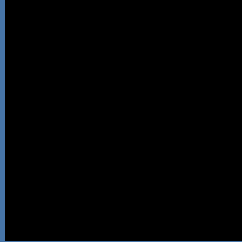
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 32.041, 269.742

Background



This preview shows how black text looks on a background with the CIELCh color 48, 32.041, 269.742.



This preview shows how white text looks on a background with the CIELCh color 48, 32.041, 269.742.

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, 32.041, 269.742

Protanopia

48, 30.829, 285.219

Deuteranopia

48, 33.443, 281.826



Tritanopia
48, 21.426, 213.516

Trichromacy



Original Color
48, 32.041, 269.742

Protanomaly
48, 30.776, 278.401

Deuteranomaly
48, 33.281, 277.784

Tritanomaly
48, 22.609, 239.085

Monochromacy



Original Color
48, 32.041, 269.742

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 12.160, 260.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 32.041, 269.742 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(71, 117, 168)` looks like.

```
.text, #text, p{  
    color:rgb(71, 117, 168)  
}
```

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(71, 117, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 117, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 32.041, 269.742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

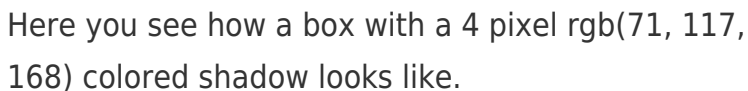
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 117, 168) }
```

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

```
.border{ border-color:rgb(71, 117, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 117, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 117, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 117, 168); box-shadow:4px 4px 4px 4px rgb(71, 117, 168) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 32.041, 269.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 117, 168) }
```

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

```
.background{ background-color: rgb(71, 117,  
168) }
```

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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