

Converting Colors

CIELCh(48, 22.290, 235.408)

Have a look what the booklet for
CIELCh(48, 22.290, 235.408)
contains.

CIELCh(48, 22.230, 235.885)	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(48, 22.230, 235.885)

Conversions

Conversions Part 1

Format	Color
Hex	3D7990
RGB	61, 121, 144
RGB Percent	24%, 47%, 56%
CMY	0.7592, 0.5240, 0.4338
CMYK	0.57, 0.16, 0.00, 0.43
HSL	197°, 40%, 40%
HSV	197°, 57%, 57%
XYZ	13.8946, 16.7945, 29.0473
YIQ	105.6820, -43.1430, -5.5670

Conversions

Conversions Part 2

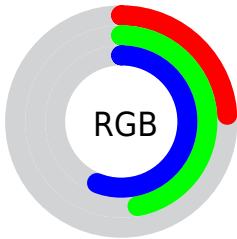
Format	Color
RYB	61, 96, 144
Decimal	4028816
CIELab	48.00, -12.47, -18.40
CIELCh	48, 22.230, 235.885
Yxy	16.7945, 0.2326, 0.2811
Android (android.graphics.Color)	4282218896 (0xFF3D7990)
YUV	105.6820, 18.8908, -39.1861
Hunter-Lab	40.9810, -11.1963, -13.3379

Details

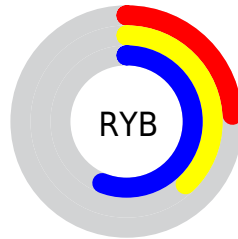
The CIELCh color **48, 22.230, 235.885** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **42, 32.914, 46.868**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 22.379, 236.570**, and **28, 21.426, 239.712** is the 20% darker color. If you saturate the color by 10%, you get **46, 24.854, 238.416**, and if you desaturate by 10%, it is **50, 19.170, 233.860**.

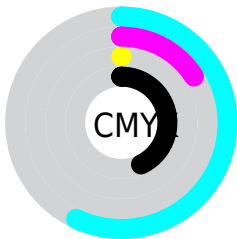
Distribution



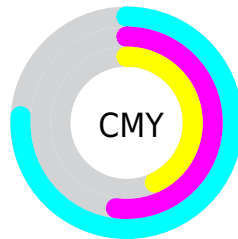
- Red (24%)
- Green (47%)
- Blue (56%)



- Red (24%)
- Yellow (38%)
- Blue (56%)



- Cyan (57%)
- Magenta (16%)
- Yellow (0%)
- Black (43%)



- Cyan (76%)
- Magenta (52%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 22.230, 235.885 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, 22.230, 235.885 by changing the saturation by 10% instead.


 48, 22.230,
235.885

 48, 22.230,
235.885


 100, 22.230,
235.885


 38, 22.230,
235.885

 68, 22.230,
235.885

 28, 22.230,
235.885

 78, 22.230,
235.885

 18, 22.230,
235.885

 88, 22.230,
235.885

 8, 22.230, 235.885

 98, 22.230,
235.885

 0, 22.230, 235.885

 48, 22.230,

 48, 22.230,

235.885

235.885

■ 46, 24.854,
238.416

■ 50, 19.170,
233.860

■ 45, 27.042,
241.539

■ 52, 15.705,
232.259

■ 43, 28.834,
245.310

■ 54, 11.885,
231.004

■ 42, 30.366,
249.634

■ 56, 7.764, 230.035

■ 41, 30.766,
250.707

■ 58, 3.396, 229.332

■ 61, 1.169, 48.269

■ 63, 5.884, 48.087

■ 65, 10.713, 47.765

■ 68, 15.624, 47.508

Harmonies

Complementary

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



48, 22.230, 235.885



42, 32.914, 46.868

Rectangle

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



48, 22.230, 235.885



48, 22.230, 285.885



48, 22.230, 55.885



48, 22.230, 105.885

Sweetspot

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



48, 22.229, 235.884



72, 9.402, 230.026



54, 46.437, 147.540



37, 6.241, 230.176



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 22.229, 235.884



59, 31.130, 239.287



36, 39.560, 288.386



29, 2.535, 229.428



39, 29.260, 250.381



1, 1.746, 228.770

Inverse Universe

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



39, 46.051, 337.683



47, 65.464, 338.959



53, 36.934, 91.396



28, 4.619, 333.945



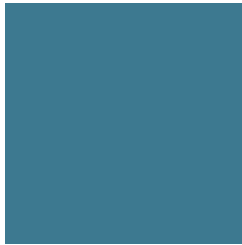
30, 58.726, 342.753



1, 3.098, 333.383

Previews

White Background



This preview shows how the CIELCh color 48, 22.230, 235.885 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, 22.230, 235.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

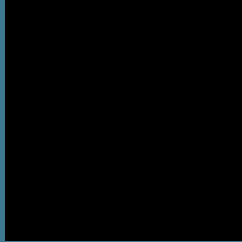
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 22.230, 235.885

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.230, 235.885.



This preview shows how white text looks on a background with the CIELCh color 48, 22.230, 235.885.

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, 22.230, 235.885

Protanopia

48, 15.389, 286.762

Deuteranopia

48, 21.275, 289.186



Tritanopia
48, 21.426, 213.516

Trichromacy



Original Color
48, 22.230, 235.885

Protanomaly
47, 16.649, 262.066

Deuteranomaly
48, 19.808, 267.341

Tritanomaly
48, 21.223, 222.470

Monochromacy



Original Color
48, 22.230, 235.885

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.383, 229.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.230, 235.885 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(61, 121, 144)` looks like.

```
.text, #text, p{  
    color:rgb(61, 121, 144)  
}
```

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(61, 121, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 121, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.230, 235.885 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(61, 121, 144) }
```

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

```
.border{ border-color:rgb(61, 121, 144) }
```

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

Here you see how a box with a 4 pixel rgb(61, 121, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 121, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 121, 144);  
box-shadow:4px 4px 4px 4px rgb(61, 121,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.230, 235.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 121, 144) }
```

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

```
.background{ background-color: rgb(61, 121,  
144) }
```

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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