

Converting Colors

CIELCh(48, 22.844, 249.675)

Have a look what the booklet for
CIELCh(48, 22.844, 249.675)
contains.

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Color

CIELCh(48, 22.838, 249.588)

Conversions

Conversions Part 1

Format	Color
Hex	467896
RGB	70, 120, 150
RGB Percent	27%, 47%, 59%
CMY	0.7274, 0.5312, 0.4136
CMYK	0.54, 0.20, 0.00, 0.41
HSL	202°, 37%, 43%
HSV	202°, 54%, 59%
XYZ	14.6195, 16.7945, 31.1251
YIQ	108.4700, -39.4300, -1.2700

Conversions

Conversions Part 2

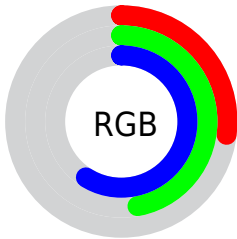
Format	Color
R_{YB}	70, 101, 150
Decimal	4618390
CIE _{Lab}	48.00, -7.97, -21.40
CIE _{LCh}	48, 22.838, 249.588
Yxy	16.7945, 0.2338, 0.2685
Android (android.graphics.Color)	4282808470 (0xFF467896)
YUV	108.4700, 20.4743, -33.7382
Hunter-Lab	40.9810, -8.0392, -16.3440

Details

The CIELCh color **48, 22.838, 249.588** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **47, 30.245, 56.321**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 22.728, 249.867**, and **28, 22.687, 248.808** is the 20% darker color. If you saturate the color by 10%, you get **46, 26.309, 252.515**, and if you desaturate by 10%, it is **50, 19.077, 247.173**.

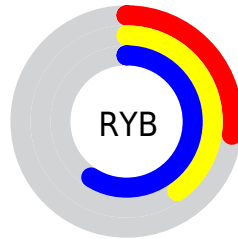
Distribution



Red (27%)

Green (47%)

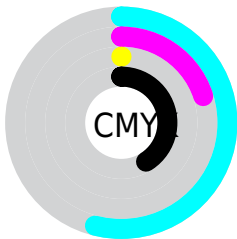
Blue (59%)



Red (27%)

Yellow (40%)

Blue (59%)

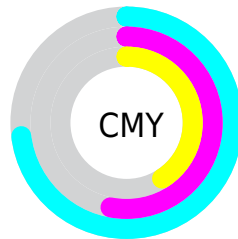


Cyan (54%)

Magenta (20%)

Yellow (0%)

Black (41%)



Cyan (73%)

Magenta (53%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 22.838, 249.588 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, 22.838, 249.588 by changing the saturation by 10% instead.

 48, 22.838,
249.588

 48, 22.838,
249.588

 100, 22.838,
249.588

 38, 22.838,
249.588

 68, 22.838,
249.588

 28, 22.838,
249.588

 78, 22.838,
249.588

 18, 22.838,
249.588

 88, 22.838,
249.588

 8, 22.838, 249.588

 98, 22.838,
249.588

 0, 22.838, 249.588

 48, 22.838,

 48, 22.838,

249.588

249.588

■ 46, 26.309,
252.515

■ 50, 19.077,
247.173

■ 43, 29.504,
256.016

■ 53, 15.045,
245.197

■ 41, 32.469,
260.113

■ 56, 10.773,
243.587

■ 39, 35.297,
264.757

■ 58, 6.299, 242.288

■ 38, 37.175,
267.771

■ 61, 1.663, 241.366

■ 64, 3.100, 60.127

■ 66, 7.956, 59.458

■ 69, 12.878, 58.857

■ 72, 17.844, 58.345

Harmonies

Complementary

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



48, 22.838, 249.588



47, 30.245, 56.321

Rectangle

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



48, 22.838, 249.588



48, 22.838, 299.588



48, 22.838, 69.588



48, 22.838, 119.588

Sweetspot

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



48, 22.837, 249.587



73, 9.175, 242.624



56, 41.358, 151.902



38, 6.157, 242.855



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 22.837, 249.587



58, 32.576, 253.091



36, 42.837, 292.611



30, 2.628, 241.820



35, 34.826, 267.357



1, 2.330, 240.823

Inverse Universe

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



41, 41.889, 342.132



49, 59.745, 343.599



57, 38.518, 98.348



29, 4.437, 338.091



30, 56.186, 350.023



1, 3.848, 337.469

Previews

White Background



This preview shows how the CIELCh color 48, 22.838, 249.588 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, 22.838, 249.588 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

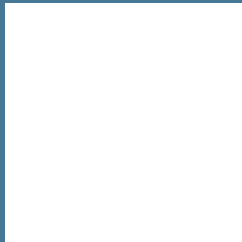
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 22.838, 249.588

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.838, 249.588.



This preview shows how white text looks on a background with the CIELCh color 48, 22.838, 249.588.

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, 22.838, 249.588

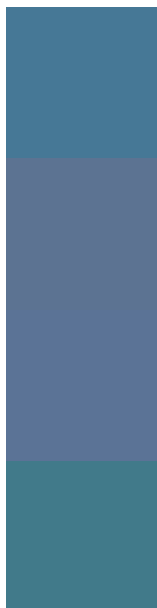
Protanopia
48, 18.986, 285.163

Deuteranopia
48, 23.086, 286.350



Tritanopia
48, 20.040, 212.988

Trichromacy



Original Color
48, 22.838, 249.588

Protanomaly
48, 19.578, 269.037

Deuteranomaly
48, 21.799, 271.352

Tritanomaly
48, 20.123, 225.965

Monochromacy



Original Color
48, 22.838, 249.588

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 9.233, 244.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.838, 249.588 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(70, 120, 150)` looks like.

```
.text, #text, p{  
    color:rgb(70, 120, 150)  
}
```

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(70, 120, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 120, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.838, 249.588 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(70, 120, 150) }
```

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

```
.border{ border-color:rgb(70, 120, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 120, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 120, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 120, 150);  
box-shadow:4px 4px 4px 4px rgb(70, 120,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.838, 249.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 120, 150) }
```

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

```
.background{ background-color: rgb(70, 120,  
150) }
```

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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