

Converting Colors

CIELCh(48, 23.380, 269.887)

Have a look what the booklet for
CIELCh(48, 23.380, 269.887)
contains.

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Color

CIELCh(48, 23.227, 269.853)

Conversions

Conversions Part 1

Format	Color
Hex	587499
RGB	88, 116, 153
RGB Percent	35%, 45%, 60%
CMY	0.6558, 0.5460, 0.4009
CMYK	0.43, 0.24, 0.00, 0.40
HSL	214°, 27%, 47%
HSV	214°, 43%, 60%
XYZ	15.9523, 16.7945, 32.4350
YIQ	111.8460, -28.5650, 5.5710

Conversions

Conversions Part 2

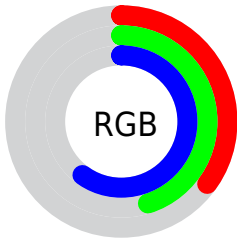
Format	Color
R_{YB}	88, 108, 153
Decimal	5797017
CIE _{Lab}	48.00, -0.06, -23.23
CIE _{LCh}	48, 23.227, 269.853
Yxy	16.7945, 0.2447, 0.2577
Android (android.graphics.Color)	4283987097 (0xFF587499)
YUV	111.8460, 20.2889, -20.9129
Hunter-Lab	40.9810, -2.2339, -18.2392

Details

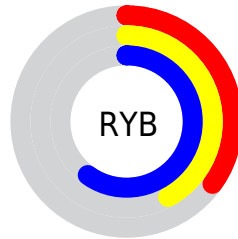
The CIELCh color $48, 23.227, 269.853$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $54, 24.862, 77.027$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 22.984, 269.009$, and $28, 23.370, 270.394$ is the 20% darker color. If you saturate the color by 10%, you get $45, 28.681, 272.418$, and if you desaturate by 10%, it is $52, 17.770, 267.662$.

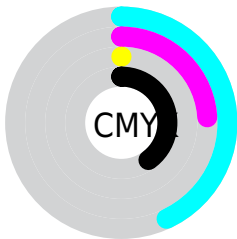
Distribution



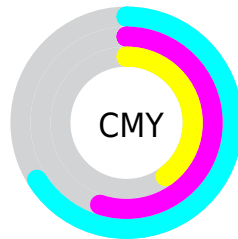
- Red (35%)
- Green (45%)
- Blue (60%)



- Red (35%)
- Yellow (42%)
- Blue (60%)



- Cyan (43%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)





- Cyan (66%)
- Magenta (55%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 23.227, 269.853 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, 23.227, 269.853 by changing the saturation by 10% instead.


 48, 23.227,
269.853


 48, 23.227,
269.853


 100, 23.227,
269.853


 38, 23.227,
269.853

 68, 23.227,
269.853


 28, 23.227,
269.853

 78, 23.227,
269.853

 18, 23.227,
269.853

 88, 23.227,
269.853

 8, 23.227, 269.853

 98, 23.227,
269.853

 0, 23.227, 269.853

 48, 23.227,

 48, 23.227,

269.853

269.853

■ 45, 28.681,
272.418

■ 52, 17.770,
267.662

■ 41, 34.153,
275.394

■ 55, 12.308,
265.800

■ 38, 39.674,
278.787

■ 59, 6.845, 264.224

■ 35, 45.294,
282.555

■ 62, 1.391, 263.009

■ 66, 4.043, 81.589

■ 32, 51.054,
286.580

■ 69, 9.449, 80.613

■ 30, 55.470,
289.477

■ 73, 14.815, 79.740

■ 77, 20.134, 78.971

■ 80, 25.401, 78.290

Harmonies

Complementary

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



48, 23.227, 269.853



54, 24.862, 77.027

Rectangle

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



48, 23.227, 269.853



48, 23.227, 319.853



48, 23.227, 89.853



48, 23.227, 139.853

Sweetspot

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



48, 23.226, 269.852



74, 8.797, 264.327



58, 28.824, 163.136



38, 6.140, 264.632



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 23.226, 269.852



58, 34.519, 272.272



40, 39.582, 297.750



31, 3.088, 263.762



27, 51.705, 289.140



1, 3.359, 263.212

Inverse Universe

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



46, 30.854, 352.111



55, 45.541, 353.595



61, 35.549, 109.242



30, 4.001, 348.295



29, 54.115, 7.453



1, 4.249, 347.976

Previews

White Background



This preview shows how the CIELCh color 48, 23.227, 269.853 looks on a white background.

Color Contrast Check

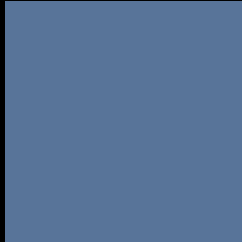
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.227, 269.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

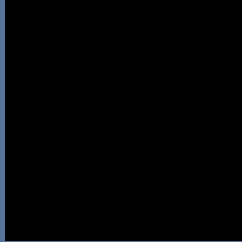
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

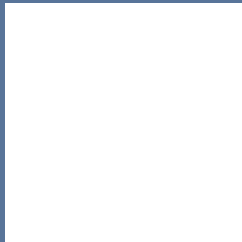
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 23.227, 269.853

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.227, 269.853.



This preview shows how white text looks on a background with the CIELCh color 48, 23.227, 269.853.

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, 23.227, 269.853

Protanopia

48, 22.540, 285.223

Deuteranopia

48, 24.891, 285.620



Tritanopia
48, 14.693, 221.940

Trichromacy



Original Color
48, 23.227, 269.853

Protanomaly
48, 22.860, 279.468

Deuteranomaly
48, 24.557, 280.808

Tritanomaly
48, 16.418, 244.829

Monochromacy



Original Color
48, 23.227, 269.853

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 9.002, 266.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.227, 269.853 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(88, 116, 153)` looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 153)  
}
```

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(88, 116, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.227, 269.853 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(88, 116, 153) }
```

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

```
.border{ border-color:rgb(88, 116, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 153);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.227, 269.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 153) }
```

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

```
.background{ background-color: rgb(88, 116,  
153) }
```

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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