

Converting Colors

CIELCh(39, 23.773, 232.831)

Have a look what the booklet for
CIELCh(39, 23.773, 232.831)
contains.

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Color

CIELCh(39, 23.720, 232.428)

Conversions

Conversions Part 1

Format	Color
Hex	17647A
RGB	23, 100, 122
RGB Percent	9%, 39%, 48%
CMY	0.9110, 0.6085, 0.5223
CMYK	0.81, 0.18, 0.00, 0.52
HSL	193°, 69%, 28%
HSV	193°, 81%, 48%
XYZ	8.3876, 10.6589, 19.9675
YIQ	79.4850, -52.9540, -9.4820

Conversions

Conversions Part 2

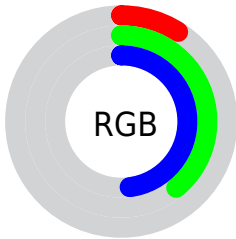
Format	Color
R _Y B	23, 66, 122
Decimal	1533050
CIE Lab	39.00, -14.46, -18.80
CIE LCh	39, 23.720, 232.428
Yxy	10.6589, 0.2150, 0.2732
Android (android.graphics.Color)	4279723130 (0xFF17647A)
YUV	79.4850, 20.9599, -49.5373
Hunter-Lab	32.6480, -11.2758, -13.4081

Details

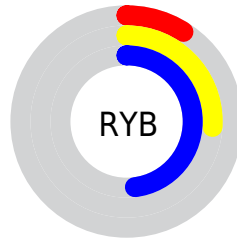
The CIELCh color **39, 23.720, 232.428** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 44.643, 43.470**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 23.551, 231.819**, and **20, 18.492, 245.678** is the 20% darker color. If you saturate the color by 10%, you get **38, 24.824, 235.645**, and if you desaturate by 10%, it is **40, 22.200, 229.802**.

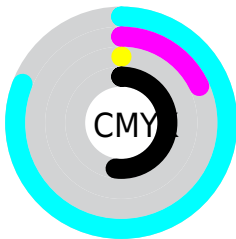
Distribution



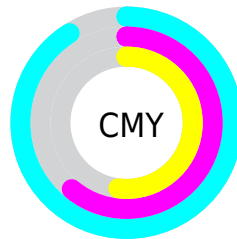
- Red (9%)
- Green (39%)
- Blue (48%)



- Red (9%)
- Yellow (26%)
- Blue (48%)



- Cyan (81%)
- Magenta (18%)
- Yellow (0%)
- Black (52%)



- Cyan (91%)
- Magenta (61%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 23.720, 232.428 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 39, 23.720, 232.428 by changing the saturation by 10% instead.

 39, 23.720,
232.428


 39, 23.720,
232.428

 100, 23.720,
232.428


 29, 23.720,
232.428

 59, 23.720,
232.428

 19, 23.720,
232.428

 69, 23.720,
232.428

 9, 23.720, 232.428

 79, 23.720,
232.428

 0, 23.720, 232.428

 89, 23.720,
232.428

 99, 23.720,
232.428

■ 39, 23.720,
232.428

■ 39, 23.720,
232.428

■ 38, 24.824,
235.645

■ 40, 22.200,
229.802

■ 37, 25.644,
238.626

■ 41, 20.232,
227.702

■ 43, 17.820,
226.051

■ 44, 14.995,
224.772

■ 46, 11.803,
223.797

■ 47, 8.297, 223.071

■ 49, 4.533, 222.562

■ 51, 0.559, 222.753

Harmonies

Complementary

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



39, 23.720, 232.428



30, 44.643, 43.470

Rectangle

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



39, 23.720, 232.428



39, 23.720, 282.428



39, 23.720, 52.428



39, 23.720, 102.428

Sweetspot

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



39, 23.719, 232.428



60, 11.426, 223.280



45, 55.920, 142.457



30, 7.737, 223.487



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



39, 23.719, 232.428



48, 30.898, 238.991



23, 46.926, 292.110



25, 2.267, 222.480



38, 26.126, 238.747



74, 44.365, 241.225

Inverse Universe

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



28, 53.014, 337.127



36, 68.032, 339.124



41, 42.402, 84.391



24, 4.225, 331.821



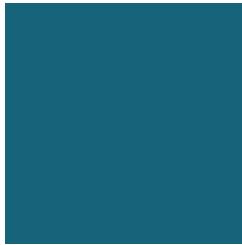
27, 57.716, 339.061



57, 96.346, 339.793

Previews

White Background



This preview shows how the CIELCh color 39, 23.720, 232.428 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 39, 23.720, 232.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

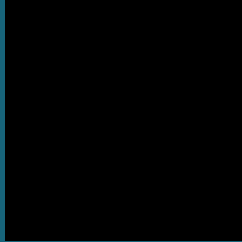
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 23.720, 232.428

Background



This preview shows how black text looks on a background with the CIELCh color 39, 23.720, 232.428.

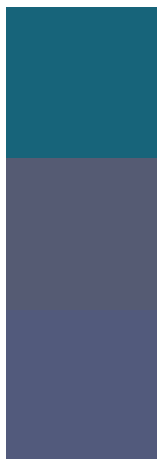


This preview shows how white text looks on a background with the CIELCh color 39, 23.720, 232.428.

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

39, 23.720, 232.428

Protanopia

39, 14.810, 283.762

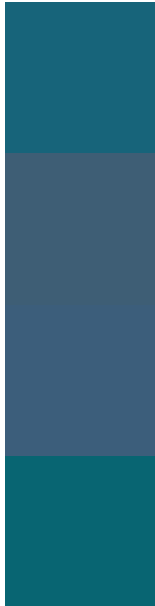
Deuteranopia

39, 20.938, 285.620



Tritanopia
39, 24.698, 208.237

Trichromacy



Original Color
39, 23.720, 232.428

Protanomaly
38, 17.359, 253.574

Deuteranomaly
39, 20.425, 260.014

Tritanomaly
39, 23.952, 216.563

Monochromacy



Original Color
39, 23.720, 232.428

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 11.393, 224.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 23.720, 232.428 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(23, 100, 122)` looks like.

```
.text, #text, p{  
    color:rgb(23, 100, 122)  
}
```

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(23, 100, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 100, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 23.720, 232.428 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(23, 100, 122) }
```

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

```
.border{ border-color:rgb(23, 100, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 100, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 100, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 100, 122);  
box-shadow:4px 4px 4px 4px rgb(23, 100,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 23.720, 232.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 100, 122) }
```

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

```
.background{ background-color: rgb(23, 100,  
122) }
```

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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