

Converting Colors

CIELCh(39, 22.840, 284.934)

Have a look what the booklet for
CIELCh(39, 22.840, 284.934)
contains.

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Color

CIELCh(39, 23.412, 285.292)

Conversions

Conversions Part 1

Format	Color
Hex	505A80
RGB	80, 90, 128
RGB Percent	31%, 35%, 50%
CMY	0.6849, 0.6457, 0.4966
CMYK	0.37, 0.30, 0.00, 0.50
HSL	228°, 23%, 41%
HSV	228°, 37%, 50%
XYZ	10.9434, 10.6589, 22.0289
YIQ	91.3420, -18.1580, 9.6980

Conversions

Conversions Part 2

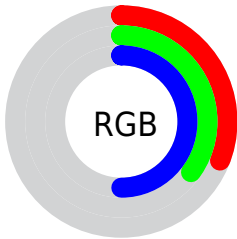
Format	Color
R_{YB}	80, 88, 128
Decimal	5266048
CIE _{Lab}	39.00, 6.17, -22.58
CIE _{LCh}	39, 23.412, 285.292
Yxy	10.6589, 0.2508, 0.2443
Android (android.graphics.Color)	4283456128 (0xFF505A80)
YUV	91.3420, 18.0724, -9.9469
Hunter-Lab	32.6480, 2.6980, -17.1516

Details

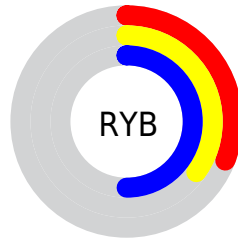
The CIELCh color $39, 23.412, 285.292$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $50, 22.458, 95.655$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 23.362, 285.305$, and $19, 23.433, 285.238$ is the 20% darker color. If you saturate the color by 10%, you get $35, 30.130, 287.308$, and if you desaturate by 10%, it is $43, 16.903, 283.551$.

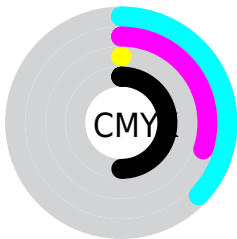
Distribution



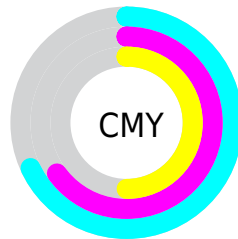
- Red (31%)
- Green (35%)
- Blue (50%)



- Red (31%)
- Yellow (35%)
- Blue (50%)



- Cyan (37%)
- Magenta (30%)
- Yellow (0%)
- Black (50%)





- Cyan (68%)
- Magenta (65%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 23.412, 285.292 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, 23.412, 285.292 by changing the saturation by 10% instead.


 39, 23.412,
285.292


 39, 23.412,
285.292

 100, 23.412,
285.292


 29, 23.412,
285.292

 59, 23.412,
285.292


 19, 23.412,
285.292


 69, 23.412,
285.292

 9, 23.412, 285.292

 79, 23.412,
285.292

 0, 23.412, 285.292

 89, 23.412,
285.292

 99, 23.412,
285.292

■ 39, 23.412,
285.292

■ 39, 23.412,
285.292

■ 35, 30.130,
287.308

■ 43, 16.903,
283.551

■ 31, 37.077,
289.619

■ 47, 10.586,
282.056

■ 27, 44.254,
292.218

■ 51, 4.446, 280.781

■ 24, 51.617,
295.046

■ 55, 1.531, 99.564

■ 59, 7.352, 98.658

■ 21, 59.004,
297.971

■ 63, 13.025, 97.822

■ 18, 66.080,
300.714

■ 66, 18.558, 97.086

■ 70, 23.955, 96.436

■ 17, 67.824,
301.318

■ 74, 29.222, 95.859

Harmonies

Complementary

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



39, 23.412, 285.292



50, 22.458, 95.655

Rectangle

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



39, 23.412, 285.292



39, 23.412, 335.292



39, 23.412, 105.292



39, 23.412, 155.292

Sweetspot

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



39, 23.411, 285.292



63, 8.180, 281.246



50, 18.842, 178.520



32, 5.547, 281.386



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



39, 23.411, 285.292



46, 35.175, 287.012



37, 30.136, 303.797



25, 3.373, 280.981



17, 67.452, 301.299



0, 0.000, 0.000

Inverse Universe

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



40, 21.731, 6.908



48, 32.609, 8.392



52, 27.936, 119.037



25, 3.062, 3.383



26, 54.455, 26.925



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 39, 23.412, 285.292 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, 23.412, 285.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

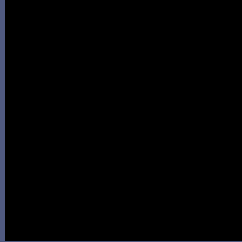
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

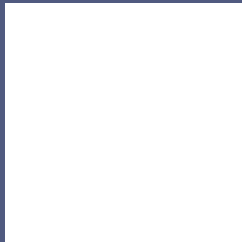
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 23.412, 285.292

Background



This preview shows how black text looks on a background with the CIELCh color 39, 23.412, 285.292.

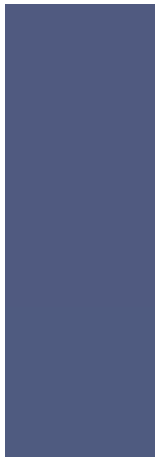


This preview shows how white text looks on a background with the CIELCh color 39, 23.412, 285.292.

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, 23.412, 285.292

Protanopia

39, 23.412, 285.292

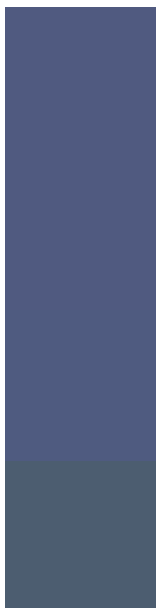
Deuteranopia

39, 22.860, 283.258



Tritanopia
39, 9.242, 230.774

Trichromacy



Original Color
39, 23.412, 285.292

Protanomaly
39, 23.412, 285.292

Deuteranomaly
39, 22.860, 283.258

Tritanomaly
39, 12.998, 263.226

Monochromacy



Original Color
39, 23.412, 285.292

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 8.638, 283.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 23.412, 285.292 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(80, 90, 128)` looks like.

```
.text, #text, p{  
    color:rgb(80, 90, 128)  
}
```

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(80, 90, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 90, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 23.412, 285.292 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(80, 90, 128) }
```

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

```
.border{ border-color:rgb(80, 90, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 90, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 90, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 90, 128);  
box-shadow:4px 4px 4px 4px rgb(80, 90,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 23.412, 285.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 90, 128) }
```

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

```
.background{ background-color: rgb(80, 90,  
128) }
```

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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