

Converting Colors

CIELCh(39, 23.485, 163.388)

Have a look what the booklet for
CIELCh(39, 23.485, 163.388)
contains.

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Color

CIELCh(39, 23.406, 163.278)

Conversions

Conversions Part 1

Format	Color
Hex	336550
RGB	51, 101, 80
RGB Percent	20%, 40%, 31%
CMY	0.7989, 0.6028, 0.6852
CMYK	0.49, 0.00, 0.21, 0.60
HSL	155°, 33%, 30%
HSV	155°, 49%, 40%
XYZ	7.5203, 10.6589, 9.3045
YIQ	83.6560, -23.0590, -17.1310

Conversions

Conversions Part 2

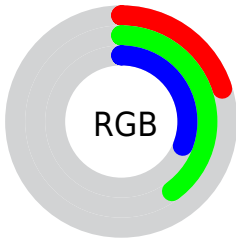
Format	Color
R_{YB}	51, 83, 101
Decimal	3368272
CIE _{Lab}	39.00, -22.42, 6.73
CIE _{LCh}	39, 23.406, 163.278
Yxy	10.6589, 0.2736, 0.3878
Android (android.graphics.Color)	4281558352 (0xFF336550)
YUV	83.6560, -1.8024, -28.6393
Hunter-Lab	32.6480, -16.0173, 5.9563

Details

The CIELCh color **39, 23.406, 163.278** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 25.374, 353.531**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 23.257, 163.204**, and **19, 23.064, 163.095** is the 20% darker color. If you saturate the color by 10%, you get **38, 27.533, 161.939**, and if you desaturate by 10%, it is **40, 18.980, 164.477**.

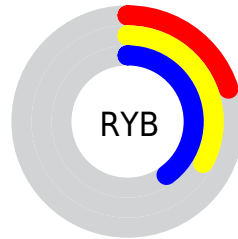
Distribution



Red (20%)

Green (40%)

Blue (31%)



Red (20%)

Yellow (33%)

Blue (40%)

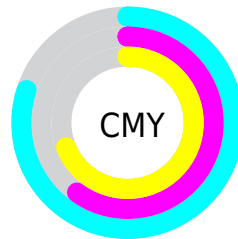


Cyan (49%)

Magenta (0%)

Yellow (21%)

Black (60%)



Cyan (80%)


Magenta (60%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 23.406, 163.278 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, 23.406, 163.278 by changing the saturation by 10% instead.


 39, 23.406,
163.278


 39, 23.406,
163.278

 100, 23.406,
163.278


 29, 23.406,
163.278

 59, 23.406,
163.278


 19, 23.406,
163.278


 69, 23.406,
163.278

 9, 23.406, 163.278

 79, 23.406,
163.278

 0, 23.406, 163.278

 89, 23.406,
163.278

 99, 23.406,
163.278

■ 39, 23.406,
163.278

■ 39, 23.406,
163.278

■ 38, 27.533,
161.939

■ 40, 18.980,
164.477

■ 38, 31.293,
160.443

■ 40, 14.326,
165.559

■ 38, 34.637,
158.769

■ 41, 9.516, 166.546

■ 37, 37.540,
156.908

■ 42, 4.616, 167.468

■ 43, 0.318, 347.398

■ 37, 40.205,
155.062

■ 44, 5.239, 348.943

■ 37, 40.376,
154.953

■ 45, 10.111,
349.678

■ 46, 14.908,
350.353

■ 48, 19.609,

350.986

Harmonies

Complementary

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



39, 23.406, 163.278



29, 25.374, 353.531

Rectangle

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



39, 23.406, 163.278



39, 23.406, 213.278



39, 23.406, 343.278



39, 23.406, 33.278

Sweetspot

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



39, 23.407, 163.277



54, 9.213, 166.912



40, 32.136, 129.220



27, 6.231, 166.776



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 23.407, 163.277



50, 34.023, 161.743



39, 16.419, 204.670



21, 2.783, 167.508



42, 44.399, 154.592



85, 79.188, 153.103

Inverse Universe

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



29, 25.374, 353.531



35, 37.310, 355.465



29, 23.262, 28.893



19, 2.828, 348.868



23, 46.831, 7.372



52, 81.444, 10.659

Previews

White Background



This preview shows how the CIELCh color 39, 23.406, 163.278 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, 23.406, 163.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

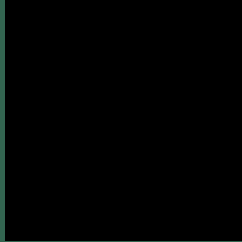
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 23.406, 163.278

Background



This preview shows how black text looks on a background with the CIELCh color 39, 23.406, 163.278.



This preview shows how white text looks on a background with the CIELCh color 39, 23.406, 163.278.

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, 23.406, 163.278

Protanopia
39, 10.122, 93.083

Deuteranopia
39, 7.335, 44.660



Tritanopia
39, 14.763, 217.359

Trichromacy



Original Color
39, 23.406, 163.278

Protanomaly
39, 12.798, 138.916

Deuteranomaly
38, 7.791, 138.847

Tritanomaly
39, 15.855, 192.976

Monochromacy



Original Color
39, 23.406, 163.278

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 8.715, 168.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 23.406, 163.278 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(51, 101, 80)` looks like.

```
.text, #text, p{  
    color:rgb(51, 101, 80)  
}
```

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(51, 101, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 101, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 23.406, 163.278 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(51, 101, 80) }
```

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

```
.border{ border-color:rgb(51, 101, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 101, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 101, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 101, 80);  
box-shadow:4px 4px 4px 4px rgb(51, 101,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 23.406, 163.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 101, 80) }
```

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

```
.background{ background-color: rgb(51, 101,  
80) }
```

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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