

Converting Colors

CIELCh(39, 20.991, 249.497)

Have a look what the booklet for
CIELCh(39, 20.991, 249.497)
contains.

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Color

CIELCh(39, 20.803, 248.716)

Conversions

Conversions Part 1

Format	Color
Hex	33617B
RGB	51, 97, 123
RGB Percent	20%, 38%, 48%
CMY	0.8004, 0.6200, 0.5181
CMYK	0.59, 0.21, 0.00, 0.52
HSL	202°, 41%, 34%
HSV	202°, 59%, 48%
XYZ	9.1934, 10.6589, 20.2769
YIQ	86.2100, -35.7620, -1.6660

Conversions

Conversions Part 2

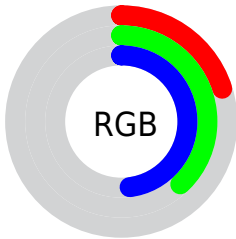
Format	Color
RYB	51, 79, 123
Decimal	3367291
CIELab	39.00, -7.55, -19.38
CIElCh	39, 20.803, 248.716
Yxy	10.6589, 0.2291, 0.2656
Android (android.graphics.Color)	4281557371 (0xFF33617B)
YUV	86.2100, 18.1375, -30.8792
Hunter-Lab	32.6480, -6.8700, -13.9699

Details

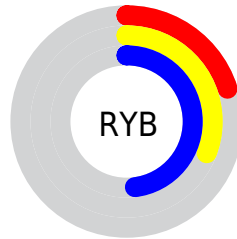
The CIELCh color **39, 20.803, 248.716** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 28.641, 54.714**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 20.795, 248.662**, and **19, 19.473, 252.512** is the 20% darker color. If you saturate the color by 10%, you get **37, 23.568, 251.752**, and if you desaturate by 10%, it is **41, 17.776, 246.203**.

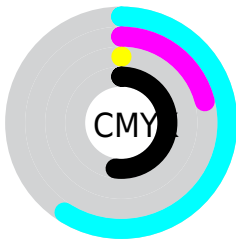
Distribution



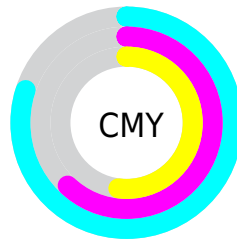
- Red (20%)
- Green (38%)
- Blue (48%)



- Red (20%)
- Yellow (31%)
- Blue (48%)



- Cyan (59%)
- Magenta (21%)
- Yellow (0%)
- Black (52%)





- Cyan (80%)
- Magenta (62%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 20.803, 248.716 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, 20.803, 248.716 by changing the saturation by 10% instead.


 39, 20.803,
248.716


 39, 20.803,
248.716

 100, 20.803,
248.716


 29, 20.803,
248.716

 59, 20.803,
248.716


 19, 20.803,
248.716


 69, 20.803,
248.716

 9, 20.803, 248.716

 79, 20.803,
248.716

 0, 20.803, 248.716

 89, 20.803,
248.716

 99, 20.803,
248.716

■ 39, 20.803,
248.716

■ 39, 20.803,
248.716

■ 37, 23.568,
251.752

■ 41, 17.776,
246.203

■ 35, 26.091,
255.363

■ 43, 14.497,
244.143

■ 34, 28.422,
259.559

■ 45, 10.991,
242.463

■ 32, 30.707,
264.031

■ 47, 7.289, 241.101

■ 32, 31.044,
264.622

■ 50, 3.426, 240.025

■ 52, 0.566, 58.423

■ 54, 4.656, 58.171

■ 57, 8.819, 57.573

■ 59, 13.032, 57.058

Harmonies

Complementary

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



39, 20.803, 248.716



37, 28.641, 54.714

Rectangle

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



39, 20.803, 248.716



39, 20.803, 298.716



39, 20.803, 68.716



39, 20.803, 118.716

Sweetspot

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



39, 20.802, 248.716



61, 8.790, 241.083



46, 38.816, 150.662



31, 6.127, 241.392



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



39, 20.802, 248.716



48, 29.629, 252.821



28, 39.416, 292.773



25, 2.237, 240.068



32, 31.451, 264.717



64, 54.873, 267.681

Inverse Universe

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



33, 39.001, 341.871



40, 55.287, 343.532



47, 35.237, 96.904



24, 3.825, 337.450



27, 52.846, 348.672



55, 88.071, 350.196

Previews

White Background



This preview shows how the CIE LCh color 39, 20.803, 248.716 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 39, 20.803, 248.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

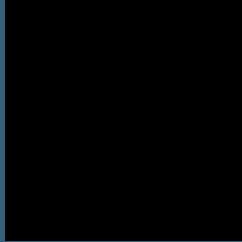
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 20.803, 248.716

Background



This preview shows how black text looks on a background with the CIELCh color 39, 20.803, 248.716.



This preview shows how white text looks on a background with the CIELCh color 39, 20.803, 248.716.

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, 20.803, 248.716

Protanopia

39, 17.251, 285.518

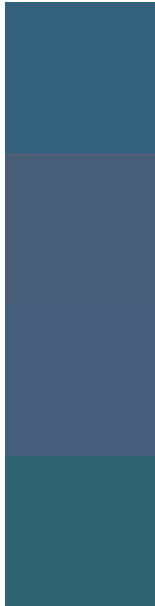
Deuteranopia

39, 20.938, 285.620



Tritanopia
39, 18.720, 212.653

Trichromacy



Original Color
39, 20.803, 248.716

Protanomaly
39, 17.779, 268.420

Deuteranomaly
39, 20.068, 271.195

Tritanomaly
39, 18.464, 225.571

Monochromacy



Original Color
39, 20.803, 248.716

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 8.460, 240.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 20.803, 248.716 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, 97, 123)` looks like.

```
.text, #text, p{  
    color:rgb(51, 97, 123)  
}
```

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, 97, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 97, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 20.803, 248.716 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, 97, 123) }
```

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

```
.border{ border-color:rgb(51, 97, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 97, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 97, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 97, 123);  
box-shadow:4px 4px 4px 4px rgb(51, 97,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 20.803, 248.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 97, 123) }
```

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

```
.background{ background-color: rgb(51, 97,  
123) }
```

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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