

Converting Colors

CIELCh(39, 21.283, 196.829)

Have a look what the booklet for
CIELCh(39, 21.283, 196.829)
contains.

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Color

CIELCh(39, 21.268, 196.857)

Conversions

Conversions Part 1

Format	Color
Hex	236565
RGB	35, 101, 101
RGB Percent	14%, 40%, 40%
CMY	0.8616, 0.6030, 0.6030
CMYK	0.65, 0.00, 0.00, 0.60
HSL	180°, 48%, 27%
HSV	180°, 65%, 40%
XYZ	7.7392, 10.6589, 14.0207
YIQ	81.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

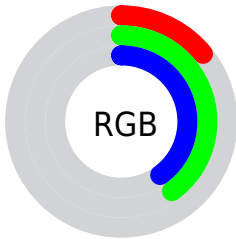
Format	Color
R_{YB}	35, 68, 101
Decimal	2319717
CIE _{Lab}	39.00, -20.35, -6.17
CIE _{LCh}	39, 21.268, 196.857
Yxy	10.6589, 0.2387, 0.3288
Android (android.graphics.Color)	4280509797 (0xFF236565)
YUV	81.2660, 9.7289, -40.5753
Hunter-Lab	32.6480, -14.8209, -2.6084

Details

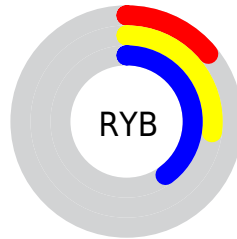
The CIELCh color **39, 21.268, 196.857** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 33.613, 27.774**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 21.190, 197.499**, and **20, 16.683, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **39, 22.992, 196.657**, and if you desaturate by 10%, it is **39, 19.060, 197.112**.

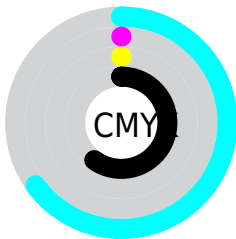
Distribution



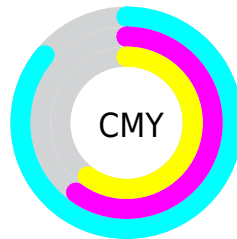
- Red (14%)
- Green (40%)
- Blue (40%)



- Red (14%)
- Yellow (27%)
- Blue (40%)



- Cyan (65%)
- Magenta (0%)
- Yellow (0%)
- Black (60%)





- Cyan (86%)
- Magenta (60%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 21.268, 196.857 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, 21.268, 196.857 by changing the saturation by 10% instead.


 39, 21.268,
196.857


 39, 21.268,
196.857

 100, 21.268,
196.857


 29, 21.268,
196.857

 59, 21.268,
196.857


 19, 21.268,
196.857


 69, 21.268,
196.857

 9, 21.268, 196.857

 79, 21.268,
196.857

 0, 21.268, 196.857

 89, 21.268,
196.857

 99, 21.268,
196.857

■ 39, 21.268,
196.857

■ 39, 21.268,
196.857

■ 39, 22.992,
196.657

■ 39, 19.060,
197.112

■ 39, 24.229,
196.516

■ 40, 16.393,
197.426

■ 38, 25.059,
196.422

■ 40, 13.312,
197.796

■ 38, 25.439,
196.379

■ 41, 9.868, 198.218

■ 42, 6.122, 198.696

■ 42, 2.131, 199.293

■ 43, 2.048, 19.495

■ 44, 6.366, 20.155

■ 45, 10.778, 20.743

Harmonies

Complementary

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



39, 21.268, 196.857



24, 33.613, 27.774

Rectangle

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



39, 21.268, 196.857



39, 21.268, 246.857



39, 21.268, 16.857



39, 21.268, 66.857

Sweetspot

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



39, 21.268, 196.855



53, 9.935, 198.428



38, 46.466, 138.833



27, 6.684, 198.336



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, 21.268, 196.855



50, 28.721, 196.578



28, 22.430, 266.434



21, 2.318, 199.036



43, 27.798, 196.379



87, 48.208, 196.378

Inverse Universe

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



24, 33.613, 27.774



29, 51.099, 32.247



32, 27.340, 66.112



19, 2.443, 19.841



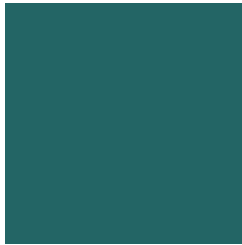
22, 55.895, 37.349



51, 100.589, 39.999

Previews

White Background



This preview shows how the CIELCh color 39, 21.268, 196.857 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, 21.268, 196.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

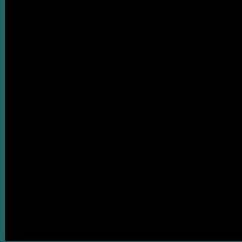
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 21.268, 196.857

Background



This preview shows how black text looks on a background with the CIELCh color 39, 21.268, 196.857.



This preview shows how white text looks on a background with the CIELCh color 39, 21.268, 196.857.

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, 21.268, 196.857

Protanopia

39, 2.496, 300.146

Deuteranopia

39, 9.461, 303.825



Tritanopia
39, 19.756, 211.722

Trichromacy



Original Color
39, 21.268, 196.857

Protanomaly
39, 9.363, 205.847

Deuteranomaly
38, 9.594, 238.729

Tritanomaly
39, 19.958, 207.849

Monochromacy



Original Color
39, 21.268, 196.857

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 9.471, 198.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 21.268, 196.857 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(35, 101, 101)` looks like.

```
.text, #text, p{  
    color:rgb(35, 101, 101)  
}
```

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(35, 101, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 101, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 21.268, 196.857 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(35, 101, 101) }
```

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

```
.border{ border-color:rgb(35, 101, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 101, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 101, 101); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 101, 101); box-shadow:4px 4px 4px 4px rgb(35, 101, 101) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 21.268, 196.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 101, 101) }
```

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

```
.background{ background-color: rgb(35, 101,  
101) }
```

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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