

Converting Colors

CIELCh(39, 3.316, 199.395)

Have a look what the booklet for
CIELCh(39, 3.316, 199.395) contains.

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Color

CIELCh(39, 3.295, 199.066)

Conversions

Conversions Part 1

Format	Color
Hex	555D5D
RGB	85, 93, 93
RGB Percent	33%, 36%, 36%
CMY	0.6649, 0.6335, 0.6335
CMYK	0.09, 0.00, 0.00, 0.63
HSL	180°, 4%, 35%
HSV	180°, 9%, 37%
XYZ	9.7370, 10.6589, 12.0055
YIQ	90.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

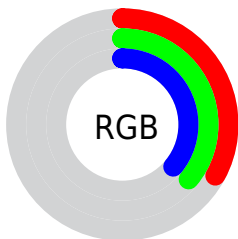
Format	Color
R_{YB}	85, 89, 93
Decimal	5594461
CIE Lab	39.00, -3.11, -1.08
CIE LCh	39, 3.295, 199.066
Yxy	10.6589, 0.3005, 0.3290
Android (android.graphics.Color)	4283784541 (0xFF555D5D)
YUV	90.6080, 1.1793, -4.9182
Hunter-Lab	32.6480, -3.8981, 1.0513

Details

The CIELCh color **39, 3.295, 199.066** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 3.464, 19.794**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 3.070, 199.246**, and **19, 3.190, 198.809** is the 20% darker color. If you saturate the color by 10%, you get **38, 6.963, 198.520**, and if you desaturate by 10%, it is **40, 0.563, 18.898**.

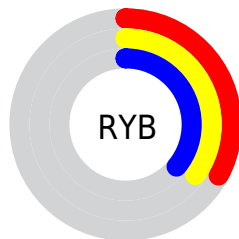
Distribution



Red (33%)

Green (36%)

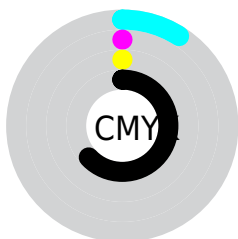
Blue (36%)



Red (33%)

Yellow (35%)

Blue (36%)

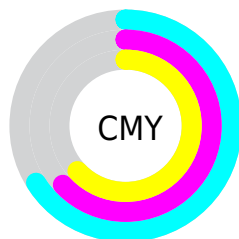


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (63%)



Cyan (66%)













Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 3.295, 199.066 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, 3.295, 199.066 by changing the saturation by 10% instead.

 39, 3.295, 199.066	 39, 3.295, 199.066
 100, 3.295, 199.066	 29, 3.295, 199.066
 59, 3.295, 199.066	 19, 3.295, 199.066
 69, 3.295, 199.066	 9, 3.295, 199.066
 79, 3.295, 199.066	 0, 3.295, 199.066
 89, 3.295, 199.066	
 99, 3.295, 199.066	
 39, 3.295, 199.066	 39, 3.295, 199.066
 38, 6.963, 198.520	 40, 0.563, 18.898

■ 38, 10.386,
198.065

■ 41, 4.564, 19.929

■ 37, 13.511,
197.663

■ 42, 8.667, 20.517

■ 37, 16.285,
197.312

■ 43, 12.836, 21.099

■ 36, 18.661,
197.017

■ 45, 21.261, 22.268

■ 36, 20.604,
196.778

■ 46, 25.474, 22.852

■ 36, 22.096,
196.595

■ 47, 29.669, 23.431

■ 36, 23.139,
196.468

■ 49, 33.834, 24.003

■ 35, 23.942,
196.370

Harmonies

Complementary

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



39, 3.295, 199.066



37, 3.464, 19.794

Rectangle

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



39, 3.295, 199.066



39, 3.295, 249.066



39, 3.295, 19.066



39, 3.295, 69.066

Sweetspot

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



39, 3.296, 199.049



51, 1.457, 199.493



39, 5.962, 143.572



26, 1.093, 199.414



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



39, 3.296, 199.049



50, 4.783, 198.947



38, 2.902, 254.670



18, 2.122, 199.035



42, 26.917, 196.356



85, 47.444, 196.354

Inverse Universe

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



37, 3.464, 19.794



48, 5.080, 19.923



38, 2.960, 72.572



17, 2.233, 19.812



21, 53.756, 36.841



50, 98.978, 39.994

Previews

White Background



This preview shows how the CIELCh color 39, 3.295, 199.066 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, 3.295, 199.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

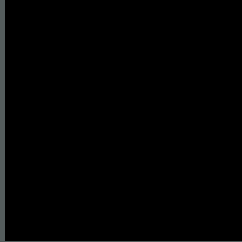
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

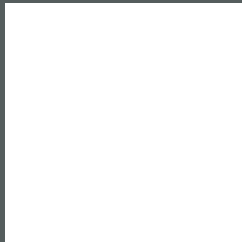
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 3.295, 199.066

Background



This preview shows how black text looks on a background with the CIELCh color 39, 3.295, 199.066.

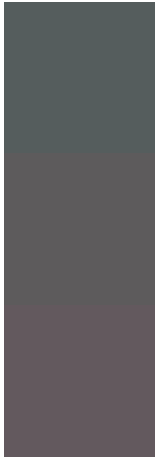


This preview shows how white text looks on a background with the CIELCh color 39, 3.295, 199.066.

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, 3.295, 199.066

Protanopia

39, 1.051, 343.591

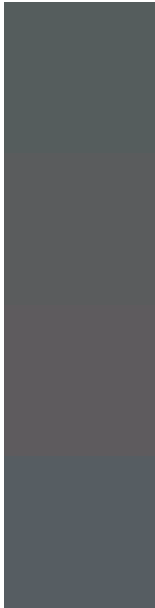
Deuteranopia

39, 5.235, 344.393



Tritanopia
39, 5.255, 268.488

Trichromacy



Original Color

39, 3.295, 199.066

Protanomaly

39, 1.029, 236.213

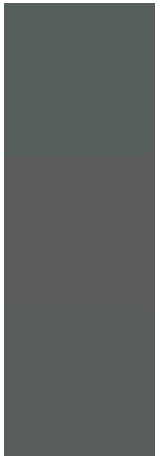
Deuteranomaly

39, 2.242, 324.537

Tritanomaly

39, 4.121, 247.305

Monochromacy



Original Color

39, 3.295, 199.066

Achromatopsia

39, 0.005, 296.813

Achromatomaly

39, 1.252, 199.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 3.295, 199.066 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(85, 93, 93)` looks like.

```
.text, #text, p{  
    color:rgb(85, 93, 93)  
}
```

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(85, 93, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 93, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 3.295, 199.066 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(85, 93, 93) }
```

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

```
.border{ border-color:rgb(85, 93, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 93, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 93, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 93, 93);  
box-shadow:4px 4px 4px 4px rgb(85, 93, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 3.295, 199.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 93, 93) }
```

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

```
.background{ background-color: rgb(85, 93,  
93) }
```

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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