

Converting Colors

CIELCh(12, 39.698, 315.005)

Have a look what the booklet for
CIELCh(12, 39.698, 315.005)
contains.

CIELCh(12, 39.645, 314.959)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 39.645, 314.959)

Conversions

Conversions Part 1

Format	Color
Hex	300F47
RGB	48, 15, 71
RGB Percent	19%, 6%, 28%
CMY	0.8129, 0.9423, 0.7227
CMYK	0.33, 0.79, 0.00, 0.72
HSL	275°, 66%, 17%
HSV	275°, 79%, 28%
XYZ	2.5003, 1.4064, 6.0526
YIQ	31.2510, 1.6920, 24.4120

Conversions

Conversions Part 2

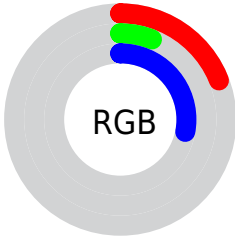
Format	Color
R_{YB}	48, 15, 71
Decimal	3149639
CIE Lab	12.00, 28.01, -28.05
CIE LCh	12, 39.645, 314.959
Yxy	1.4064, 0.2511, 0.1412
Android (android.graphics.Color)	4281339719 (0xFF300F47)
YUV	31.2510, 19.5963, 14.6889
Hunter-Lab	11.8591, 16.8801, -21.9589

Details

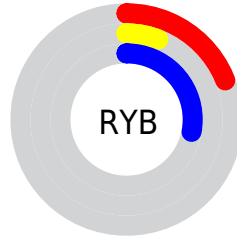
The CIELCh color **12, 39.645, 314.959** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 36.685, 129.230**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 39.809, 315.129**, and **1, 14.128, 289.097** is the 20% darker color. If you saturate the color by 10%, you get **10, 43.514, 314.996**, and if you desaturate by 10%, it is **14, 35.193, 314.774**.

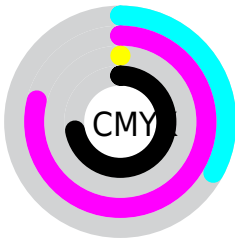
Distribution



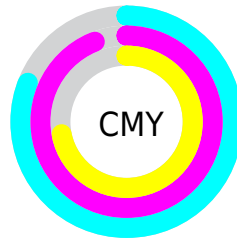
- Red (19%)
- Green (6%)
- Blue (28%)



- Red (19%)
- Yellow (6%)
- Blue (28%)



- Cyan (33%)
- Magenta (79%)
- Yellow (0%)
- Black (72%)



- Cyan (81%)
- Magenta (94%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 39.645, 314.959 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 12, 39.645, 314.959 by changing the saturation by 10% instead.

■ 12, 39.645,
314.959

■ 12, 39.645,
314.959

■ 100, 39.645,
314.959

■ 2, 39.645, 314.959

■ 32, 39.645,
314.959

■ 0, 39.645, 314.959

■ 42, 39.645,
314.959


■ 52, 39.645,
314.959


■ 62, 39.645,
314.959


■ 72, 39.645,
314.959


■ 82, 39.645,


314.959

 92, 39.645,
314.959


 12, 39.645,
314.959

 12, 39.645,
314.959


 10, 43.514,
314.996


 14, 35.193,
314.774


 9, 47.776, 315.248

 16, 30.314,
314.471

 8, 48.163, 315.284

 18, 25.199,
314.096

 21, 19.988,
313.686

 23, 14.774,
313.265

■ 25, 9.618, 312.851

■ 28, 4.554, 312.448

■ 30, 0.396, 132.271

■ 33, 5.222, 131.765

Harmonies

Complementary

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



12, 39.645, 314.959



26, 36.685, 129.230

Rectangle

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



12, 39.645, 314.959



12, 39.645, 4.959



12, 39.645, 134.959



12, 39.645, 184.959

Sweetspot

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



12, 39.645, 314.959



32, 15.030, 313.089



15, 23.477, 279.914



14, 10.191, 313.158



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



12, 39.645, 314.959



14, 55.536, 314.845



16, 37.763, 330.644



13, 2.784, 312.425



15, 61.070, 314.759



39, 112.230, 313.969

Inverse Universe

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



14, 28.523, 359.387



18, 38.804, 5.238



26, 38.846, 139.936



13, 2.074, 349.372



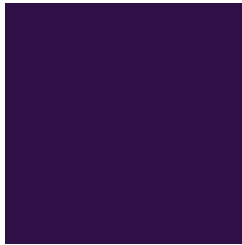
19, 42.324, 7.349



48, 77.618, 11.380

Previews

White Background



This preview shows how the CIE LCh color 12, 39.645, 314.959 looks on a white background.

Color Contrast Check

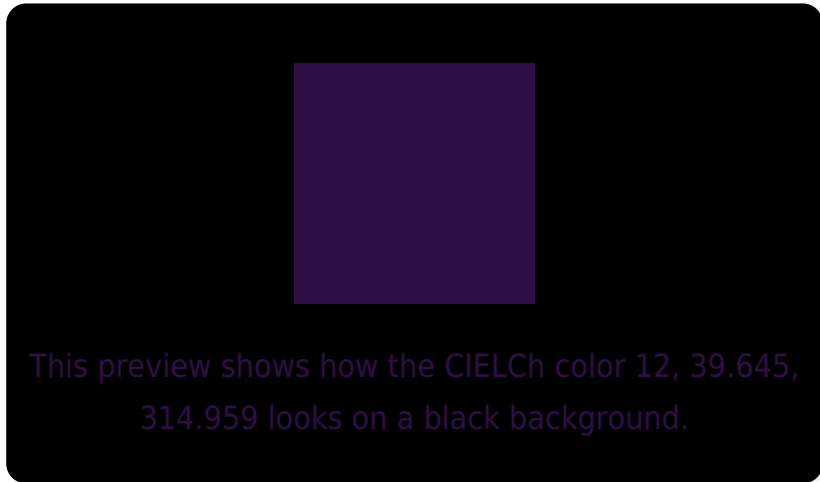
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12, 39.645, 314.959

Background



This preview shows how black text looks on a background with the CIELCh color 12, 39.645, 314.959.



This preview shows how white text looks on a background with the CIELCh color 12, 39.645, 314.959.

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

12, 39.645, 314.959

Protanopia

12, 25.748, 280.385

Deuteranopia

12, 19.494, 267.736



Tritanopia

13, 5.802, 6.801

Trichromacy



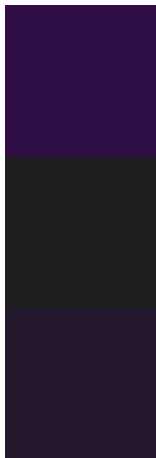
Original Color
12, 39.645, 314.959

Protanomaly
11, 30.454, 294.210

Deuteranomaly
11, 26.221, 291.411

Tritanomaly
12, 17.907, 322.469

Monochromacy



Original Color
12, 39.645, 314.959

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 15.551, 314.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 39.645, 314.959 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(48, 15, 71)` looks like.

```
.text, #text, p{  
    color:rgb(48, 15, 71)  
}
```

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(48, 15, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 15, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 39.645, 314.959 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(48, 15, 71) }
```

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

```
.border{ border-color:rgb(48, 15, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 15, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 15, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 15, 71);  
box-shadow:4px 4px 4px 4px rgb(48, 15, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 39.645, 314.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 15, 71) }
```

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

```
.background{ background-color: rgb(48, 15,  
71) }
```

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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