

Converting Colors

CIELCh(28, 39.631, 118.939)

Have a look what the booklet for
CIELCh(28, 39.631, 118.939)
contains.

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Color

CIELCh(28, 39.901, 119.147)

Conversions

Conversions Part 1

Format	Color
Hex	334903
RGB	51, 73, 3
RGB Percent	20%, 29%, 1%
CMY	0.8005, 0.7142, 0.9886
CMYK	0.30, 0.00, 0.96, 0.71
HSL	79°, 92%, 15%
HSV	79°, 96%, 29%
XYZ	3.7503, 5.4574, 0.9388
YIQ	58.4420, 9.3580, -26.4340

Conversions

Conversions Part 2

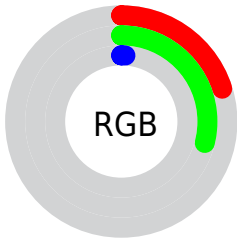
Format	Color
R_{YB}	3, 73, 25
Decimal	3361027
CIE _{Lab}	28.00, -19.43, 34.85
CIE _{LCh}	28, 39.901, 119.147
Yxy	5.4574, 0.3696, 0.5379
Android (android.graphics.Color)	4281551107 (0xFF334903)
YUV	58.4420, -27.3329, -6.5266
Hunter-Lab	23.3610, -12.2258, 13.9702

Details

The CIELCh color **28, 39.901, 119.147** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 49.162, 308.832**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 40.332, 119.385**, and **8, 21.034, 144.425** is the 20% darker color. If you saturate the color by 10%, you get **28, 41.135, 119.124**, and if you desaturate by 10%, it is **28, 36.939, 119.097**.

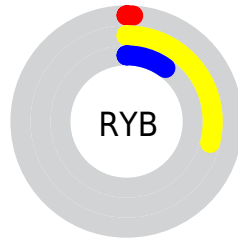
Distribution



Red (20%)

Green (29%)

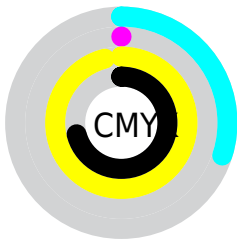
Blue (1%)



Red (1%)

Yellow (29%)

Blue (10%)

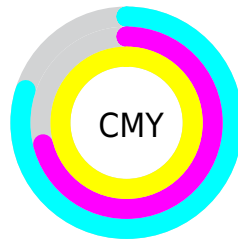


Cyan (30%)

Magenta (0%)

Yellow (96%)

Black (71%)



Cyan (80%)


Magenta (71%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 39.901, 119.147 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 28, 39.901, 119.147 by changing the saturation by 10% instead.

 28, 39.901,
119.147


 28, 39.901,
119.147

 100, 39.901,
119.147


 18, 39.901,
119.147


 48, 39.901,
119.147

 8, 39.901, 119.147

 58, 39.901,
119.147

 0, 39.901, 119.147

 68, 39.901,
119.147

 78, 39.901,
119.147

 88, 39.901,
119.147

 98, 39.901,

119.147

■ 28, 39.901,
119.147

■ 28, 39.901,
119.147

■ 28, 41.135,
119.124

■ 28, 36.939,
119.097

■ 28, 33.784,
119.057

■ 29, 30.066,
119.245

■ 29, 25.950,
119.587

■ 29, 21.565,
120.023

■ 30, 17.006,
120.512

■ 30, 12.341,
121.025

■ 30, 7.616, 121.542

■ 31, 2.863, 122.054

Harmonies

Complementary

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



28, 39.901, 119.147



7, 49.162, 308.832

Rectangle

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



28, 39.901, 119.147



28, 39.901, 169.147



28, 39.901, 299.147



28, 39.901, 349.147

Sweetspot

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



28, 39.901, 119.149



39, 17.004, 120.815



16, 31.753, 45.712



19, 11.754, 120.699



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 39.901, 119.149



36, 49.305, 119.611



26, 45.553, 133.937



14, 2.602, 121.924



38, 51.183, 119.706



83, 94.132, 120.764

Inverse Universe

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



7, 49.162, 308.832



10, 62.090, 309.157



12, 46.146, 321.361



13, 2.643, 302.773



11, 64.469, 309.090



32, 118.800, 308.395

Previews

White Background



This preview shows how the CIELCh color 28, 39.901, 119.147 looks on a white background.

Color Contrast Check

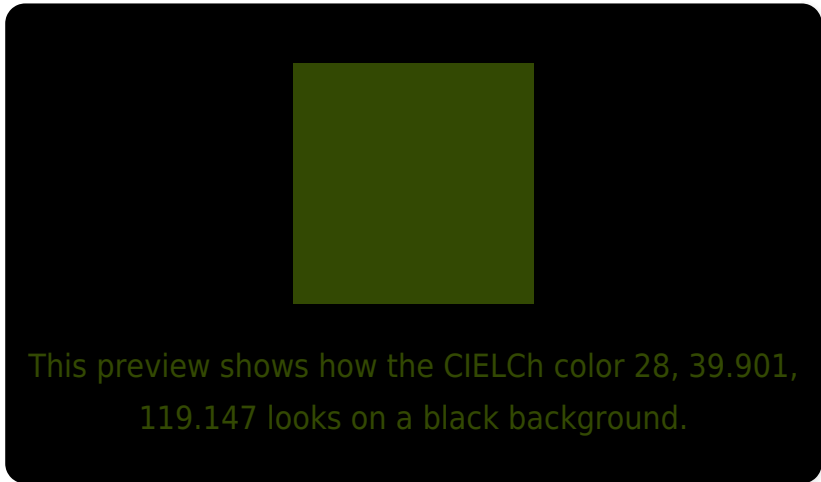
Large Text (above 18pt) WCAG AA ✓ Pass

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

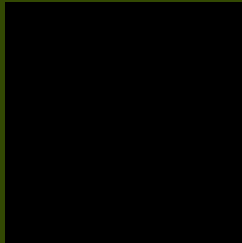
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 39.901, 119.147

Background



This preview shows how black text looks on a background with the CIELCh color 28, 39.901, 119.147.



This preview shows how white text looks on a background with the CIELCh color 28, 39.901, 119.147.

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
28, 39.901, 119.147

Protanopia
28, 36.903, 95.357

Deuteranopia
28, 31.659, 84.176



Tritanopia
28, 5.197, 237.553

Trichromacy



Original Color
28, 39.901, 119.147

Protanomaly
28, 37.364, 105.394

Deuteranomaly
28, 33.017, 99.939

Tritanomaly
28, 15.744, 133.852

Monochromacy



Original Color
28, 39.901, 119.147

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 16.575, 120.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 39.901, 119.147 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, 73, 3)` looks like.

```
.text, #text, p{  
    color:rgb(51, 73, 3)  
}
```

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, 73, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 73, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 39.901, 119.147 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, 73, 3) }
```

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

```
.border{ border-color:rgb(51, 73, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 73, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 73, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 73, 3); box-shadow:4px  
4px 4px 4px rgb(51, 73, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 39.901, 119.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 73, 3) }
```

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

```
.background{ background-color: rgb(51, 73,  
3) }
```

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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