

Converting Colors

CIELCh(28, 105.851, 304.164)

Have a look what the booklet for
CIELCh(28, 105.851, 304.164)
contains.

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Color

CIELCh(28, 105.987, 304.193)

Conversions

Conversions Part 1

Format	Color
Hex	021ECF
RGB	2, 30, 207
RGB Percent	1%, 12%, 81%
CMY	0.9902, 0.8821, 0.1879
CMYK	0.99, 0.85, 0.00, 0.19
HSL	232°, 98%, 41%
HSV	232°, 99%, 81%
XYZ	11.7697, 5.4574, 59.5190
YIQ	41.8060, -73.5050, 49.1110

Conversions

Conversions Part 2

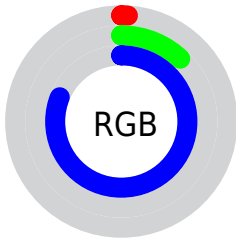
Format	Color
R_{YB}	2, 27, 207
Decimal	138959
CIE _{Lab}	28.00, 59.56, -87.67
CIE _{LCh}	28, 105.987, 304.193
Y _{xy}	5.4574, 0.1534, 0.0711
Android (android.graphics.Color)	4278329039 (0xFF021ECF)
YUV	41.8060, 81.4406, -34.9099
Hunter-Lab	23.3610, 49.0499, -134.7057

Details

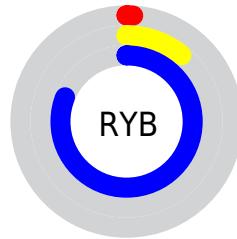
The CIELCh color **28, 105.987, 304.193** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **73, 75.313, 93.346**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 100.724, 304.163**, and **17, 90.513, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 106.911, 304.395**, and if you desaturate by 10%, it is **31, 96.824, 302.053**.

Distribution



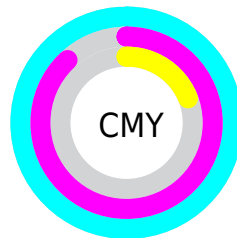
- Red (1%)
- Green (12%)
- Blue (81%)



- Red (1%)
- Yellow (11%)
- Blue (81%)



- Cyan (99%)
- Magenta (85%)
- Yellow (0%)
- Black (19%)





- Cyan (99%)
- Magenta (88%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 105.987, 304.193 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, 105.987, 304.193 by changing the saturation by 10% instead.


 28, 105.987,
304.193


 28, 105.987,
304.193


 100, 105.987,
304.193


 18, 105.987,
304.193


 48, 105.987,
304.193


 8, 105.987,
304.193


 58, 105.987,
304.193

 0, 105.987,
304.193

 68, 105.987,
304.193

 78, 105.987,
304.193

 88, 105.987,
304.193

 98, 105.987,

304.193

■ 28, 105.987,
304.193

■ 28, 105.987,
304.193

■ 28, 106.911,
304.395

■ 31, 96.824,
302.053

■ 36, 85.714,
299.458

■ 41, 73.870,
296.738

■ 47, 62.030,
294.129

■ 53, 50.511,
291.762

■ 59, 39.408,
289.684

■ 65, 28.721,
287.893

■ 71, 18.422,
286.362

■ 78, 8.481, 285.062

Harmonies

Complementary

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



28, 105.987, 304.193



73, 75.313, 93.346

Rectangle

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



28, 105.987, 304.193



28, 105.987, 354.193



28, 105.987, 124.193



28, 105.987, 174.193

Sweetspot

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



28, 105.989, 304.194



78, 35.529, 288.155



75, 49.799, 176.278



38, 24.428, 288.904



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



28, 105.989, 304.194



35, 126.051, 304.618



29, 109.502, 308.985



41, 5.520, 285.137



22, 90.718, 304.109



3, 23.174, 289.855

Inverse Universe

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



43, 82.573, 33.790



53, 98.099, 34.898



76, 88.481, 122.201



41, 4.522, 9.103



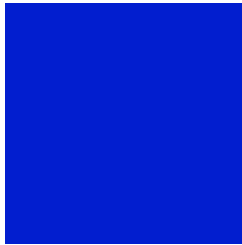
35, 70.804, 33.534



4, 20.097, 13.201

Previews

White Background



This preview shows how the CIELCh color 28, 105.987, 304.193 looks on a white background.

Color Contrast Check

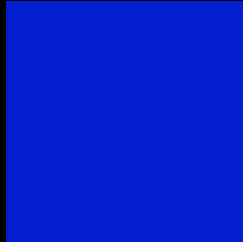
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 28, 105.987, 304.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

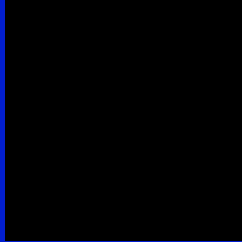
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 105.987, 304.193

Background



This preview shows how black text looks on a background with the CIELCh color 28, 105.987, 304.193.



This preview shows how white text looks on a background with the CIELCh color 28, 105.987, 304.193.

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, 105.987, 304.193

Protanopia
28, 46.169, 285.283

Deuteranopia
28, 31.141, 269.220



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 105.987, 304.193

Protanomaly
27, 69.713, 296.828

Deuteranomaly
26, 60.072, 293.667

Tritanomaly
25, 43.570, 285.557

Monochromacy



Original Color
28, 105.987, 304.193

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 43.584, 296.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 105.987, 304.193 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(2, 30, 207)` looks like.

```
.text, #text, p{  
    color:rgb(2, 30, 207)  
}
```

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(2, 30, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 30, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 105.987, 304.193 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(2, 30, 207) }
```

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

```
.border{ border-color:rgb(2, 30, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 30, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 30, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 30, 207);  
box-shadow:4px 4px 4px 4px rgb(2, 30, 207)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 105.987, 304.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 30, 207) }
```

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

```
.background{ background-color: rgb(2, 30,  
207) }
```

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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