

Converting Colors

CIELCh(28, 95.010, 311.931)

Have a look what the booklet for
CIELCh(28, 95.010, 311.931)
contains.

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Color

CIELCh(28, 95.217, 311.906)

Conversions

Conversions Part 1

Format	Color
Hex	5A02B3
RGB	90, 2, 179
RGB Percent	35%, 1%, 70%
CMY	0.6475, 0.9929, 0.2985
CMYK	0.50, 0.99, 0.00, 0.30
HSL	270°, 98%, 35%
HSV	270°, 99%, 70%
XYZ	12.3505, 5.4574, 42.9928
YIQ	48.4900, -4.3690, 73.7030

Conversions

Conversions Part 2

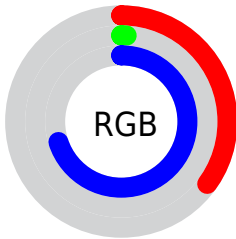
Format	Color
RYB	90, 2, 179
Decimal	5898931
CIELab	28.00, 63.60, -70.86
CIELCh	28, 95.217, 311.906
Yxy	5.4574, 0.2031, 0.0898
Android (android.graphics.Color)	4284089011 (0xFF5A02B3)
YUV	48.4900, 64.3414, 36.4043
Hunter-Lab	23.3610, 53.4876, -92.7625

Details

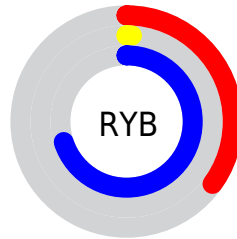
The CIELCh color **28, 95.217, 311.906** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **65, 83.172, 127.827**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 95.032, 311.809**, and **13, 78.110, 306.930** is the 20% darker color. If you saturate the color by 10%, you get **28, 95.666, 311.865**, and if you desaturate by 10%, it is **30, 90.581, 312.371**.

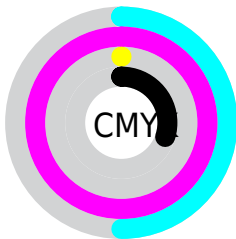
Distribution



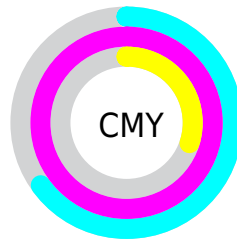
- Red (35%)
- Green (1%)
- Blue (70%)



- Red (35%)
- Yellow (1%)
- Blue (70%)



- Cyan (50%)
- Magenta (99%)
- Yellow (0%)
- Black (30%)





- Cyan (65%)
- Magenta (99%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 95.217, 311.906 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, 95.217, 311.906 by changing the saturation by 10% instead.

 28, 95.217,
311.906


 28, 95.217,
311.906

 100, 95.217,
311.906


 18, 95.217,
311.906


 48, 95.217,
311.906


 8, 95.217, 311.906

 58, 95.217,
311.906

 0, 95.217, 311.906

 68, 95.217,
311.906

 78, 95.217,
311.906

 88, 95.217,
311.906

 98, 95.217,

311.906

■ 28, 95.217,
311.906

■ 28, 95.217,
311.906

■ 28, 95.666,
311.865

■ 30, 90.581,
312.371

■ 34, 83.638,
312.500

■ 37, 74.653,
312.318

■ 42, 64.378,
311.936

■ 47, 53.434,
311.446

■ 52, 42.248,
310.910

■ 57, 31.089,
310.370

■ 63, 20.109,
309.851

■ 68, 9.390, 309.364

Harmonies

Complementary

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



28, 95.217, 311.906



65, 83.172, 127.827

Rectangle

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



28, 95.217, 311.906



28, 95.217, 1.906



28, 95.217, 131.906



28, 95.217, 181.906

Sweetspot

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



28, 95.218, 311.907



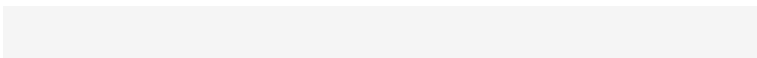
72, 39.816, 310.451



40, 52.862, 281.838



36, 27.508, 310.675



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



28, 95.218, 311.907



37, 116.441, 311.674



42, 88.430, 327.573



35, 5.906, 309.379



23, 85.136, 312.004



1, 13.834, 305.148

Inverse Universe

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



38, 64.852, 1.262



50, 78.858, 2.443



64, 91.464, 135.987



35, 4.765, 344.231



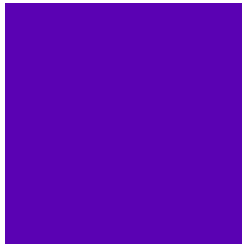
32, 57.978, 1.073



2, 10.621, 349.718

Previews

White Background



This preview shows how the CIELCh color 28, 95.217, 311.906 looks on a white background.

Color Contrast Check

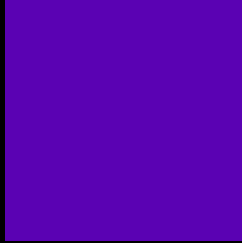
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.217, 311.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

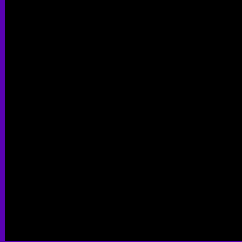
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 95.217, 311.906

Background



This preview shows how black text looks on a background with the CIELCh color 28, 95.217, 311.906.



This preview shows how white text looks on a background with the CIELCh color 28, 95.217, 311.906.

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](#).

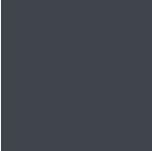
Dichromacy



Original Color
28, 95.217, 311.906

Protanopia
29, 47.219, 285.346

Deuteranopia
29, 32.757, 270.687



Tritanopia
29, 4.872, 240.470

Trichromacy



Original Color
28, 95.217, 311.906

Protanomaly
25, 71.148, 300.828

Deuteranomaly
24, 61.674, 298.824

Tritanomaly
25, 44.982, 308.961

Monochromacy



Original Color
28, 95.217, 311.906

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 44.247, 311.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 95.217, 311.906 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(90, 2, 179)` looks like.

```
.text, #text, p{  
    color:rgb(90, 2, 179)  
}
```

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(90, 2, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 2, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 95.217, 311.906 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(90, 2, 179) }
```

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

```
.border{ border-color:rgb(90, 2, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 2, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 2, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 2, 179);  
box-shadow:4px 4px 4px 4px rgb(90, 2, 179)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 95.217, 311.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 2, 179) }
```

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

```
.background{ background-color: rgb(90, 2,  
179) }
```

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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