

Converting Colors

CIELCh(28, 93.909, 308.814)

Have a look what the booklet for
CIELCh(28, 93.909, 308.814)
contains.

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Color

CIELCh(28, 94.020, 308.838)

Conversions

Conversions Part 1

Format	Color
Hex	4B16B7
RGB	75, 22, 183
RGB Percent	29%, 9%, 72%
CMY	0.7069, 0.9148, 0.2833
CMYK	0.59, 0.88, 0.00, 0.28
HSL	260°, 79%, 40%
HSV	260°, 88%, 72%
XYZ	11.6848, 5.4574, 45.1098
YIQ	56.2010, -20.0930, 61.3070

Conversions

Conversions Part 2

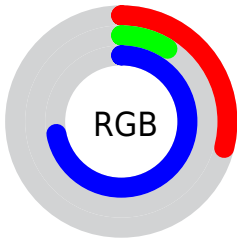
Format	Color
R_{YB}	75, 22, 183
Decimal	4921015
CIE Lab	28.00, 58.96, -73.23
CIE LCh	28, 94.020, 308.838
Yxy	5.4574, 0.1877, 0.0877
Android (android.graphics.Color)	4283111095 (0xFF4B16B7)
YUV	56.2010, 62.5119, 16.4867
Hunter-Lab	23.3610, 48.4009, -98.1354

Details

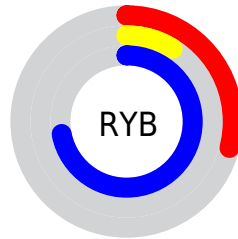
The CIELCh color **28, 94.020, 308.838** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **68, 76.583, 120.197**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 93.793, 308.764**, and **13, 80.272, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 99.620, 308.741**, and if you desaturate by 10%, it is **32, 85.749, 308.523**.

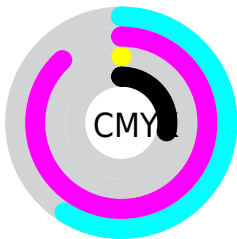
Distribution



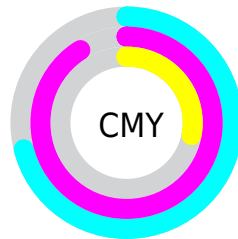
- Red (29%)
- Green (9%)
- Blue (72%)



- Red (29%)
- Yellow (9%)
- Blue (72%)



- Cyan (59%)
- Magenta (88%)
- Yellow (0%)
- Black (28%)



- Cyan (71%)
- Magenta (91%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 94.020, 308.838 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, 94.020, 308.838 by changing the saturation by 10% instead.

 28, 94.020,
308.838


 28, 94.020,
308.838

 100, 94.020,
308.838

 18, 94.020,
308.838


 48, 94.020,
308.838

 8, 94.020, 308.838

 58, 94.020,
308.838

 0, 94.020, 308.838

 68, 94.020,
308.838

 78, 94.020,
308.838

 88, 94.020,
308.838

 98, 94.020,

308.838

■ 28, 94.020,
308.838

■ 28, 94.020,
308.838

■ 25, 99.620,
308.741

■ 32, 85.749,
308.523

■ 25, 100.592,
308.732

■ 36, 75.535,
307.890

■ 41, 64.327,
307.096

■ 47, 52.773,
306.253

■ 52, 41.251,
305.429

■ 58, 29.957,
304.659

■ 64, 18.982,
303.961

■ 70, 8.362, 303.335

■ 75, 1.899, 122.824

Harmonies

Complementary

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



28, 94.020, 308.838



68, 76.583, 120.197

Rectangle

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



28, 94.020, 308.838



28, 94.020, 358.838



28, 94.020, 128.838



28, 94.020, 178.838

Sweetspot

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



28, 94.021, 308.839



75, 34.141, 304.537



52, 36.355, 253.383



38, 23.463, 304.790



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



28, 94.021, 308.839



33, 122.521, 308.575



39, 87.958, 321.733



36, 5.871, 303.408



20, 89.164, 308.853



1, 15.630, 299.731

Inverse Universe

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



42, 69.453, 344.645



52, 85.566, 347.496



65, 87.633, 134.604



36, 5.484, 336.102



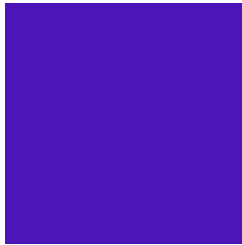
34, 62.841, 346.757



3, 13.730, 340.958

Previews

White Background



This preview shows how the CIELCh color 28, 94.020, 308.838 looks on a white background.

Color Contrast Check

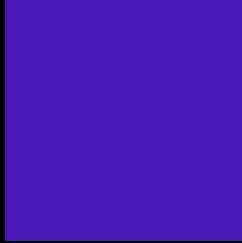
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.020, 308.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

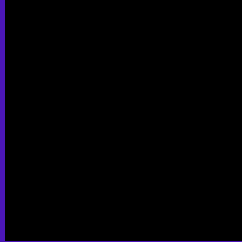
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 94.020, 308.838

Background



This preview shows how black text looks on a background with the CIELCh color 28, 94.020, 308.838.



This preview shows how white text looks on a background with the CIELCh color 28, 94.020, 308.838.

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](#).

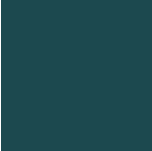
Dichromacy



Original Color
28, 94.020, 308.838

Protanopia
28, 46.102, 284.959

Deuteranopia
28, 32.209, 270.785



Tritanopia
28, 15.583, 211.816

Trichromacy



Original Color
28, 94.020, 308.838

Protanomaly
26, 66.782, 298.356

Deuteranomaly
26, 57.070, 295.573

Tritanomaly
25, 41.215, 294.533

Monochromacy



Original Color
28, 94.020, 308.838

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 38.914, 306.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 94.020, 308.838 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(75, 22, 183)` looks like.

```
.text, #text, p{  
    color:rgb(75, 22, 183)  
}
```

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(75, 22, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 22, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 94.020, 308.838 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(75, 22, 183) }
```

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

```
.border{ border-color:rgb(75, 22, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 22, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 22, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 22, 183);  
box-shadow:4px 4px 4px 4px rgb(75, 22,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 94.020, 308.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 22, 183) }
```

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

```
.background{ background-color: rgb(75, 22,  
183) }
```

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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