

Converting Colors

CIELCh(28, 94.648, 302.788)

Have a look what the booklet for
CIELCh(28, 94.648, 302.788)
contains.

CIELCh(28, 94.681, 302.816)	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(28, 94.681, 302.816)

Conversions

Conversions Part 1

Format	Color
Hex	1227C1
RGB	18, 39, 193
RGB Percent	7%, 15%, 76%
CMY	0.9295, 0.8462, 0.2420
CMYK	0.91, 0.80, 0.00, 0.24
HSL	233°, 83%, 41%
HSV	233°, 91%, 76%
XYZ	10.6390, 5.4574, 51.1097
YIQ	50.2770, -61.9500, 43.4420

Conversions

Conversions Part 2

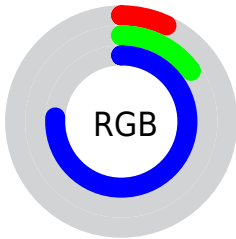
Format	Color
R_{YB}	18, 37, 193
Decimal	1189825
CIE Lab	28.00, 51.31, -79.57
CIE LCh	28, 94.681, 302.816
Yxy	5.4574, 0.1583, 0.0812
Android (android.graphics.Color)	4279379905 (0xFF1227C1)
YUV	50.2770, 70.3624, -28.3069
Hunter-Lab	23.3610, 40.4100, -113.3631

Details

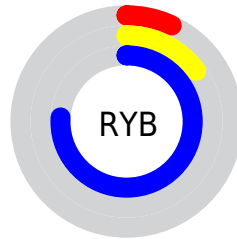
The CIELCh color **28, 94.681, 302.816** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **70, 70.522, 95.206**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 94.720, 302.782**, and **15, 84.763, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 102.272, 304.601**, and if you desaturate by 10%, it is **32, 84.414, 300.368**.

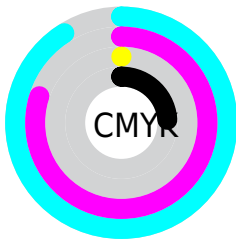
Distribution



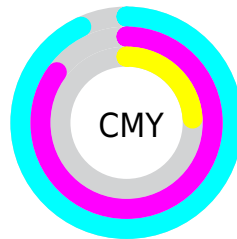
- Red (7%)
- Green (15%)
- Blue (76%)



- Red (7%)
- Yellow (15%)
- Blue (76%)



- Cyan (91%)
- Magenta (80%)
- Yellow (0%)
- Black (24%)





- Cyan (93%)
- Magenta (85%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 94.681, 302.816 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, 94.681, 302.816 by changing the saturation by 10% instead.

 28, 94.681,
302.816

 28, 94.681,
302.816

 100, 94.681,
302.816

 18, 94.681,
302.816


 48, 94.681,
302.816

 8, 94.681, 302.816

 58, 94.681,
302.816

 0, 94.681, 302.816

 68, 94.681,
302.816

 78, 94.681,
302.816

 88, 94.681,
302.816

 98, 94.681,

302.816

■ 28, 94.681,
302.816

■ 28, 94.681,
302.816

■ 25, 102.272,
304.601

■ 32, 84.414,
300.368

■ 37, 73.155,
297.722

■ 42, 61.754,
295.135

■ 48, 50.608,
292.760

■ 54, 39.851,
290.662

■ 60, 29.500,
288.848

■ 66, 19.535,
287.295

■ 72, 9.925, 285.973

■ 78, 0.642, 285.004

Harmonies

Complementary

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



28, 94.681, 302.816



70, 70.522, 95.206

Rectangle

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



28, 94.681, 302.816



28, 94.681, 352.816



28, 94.681, 122.816



28, 94.681, 172.816

Sweetspot

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



28, 94.682, 302.817



79, 32.043, 288.314



70, 45.160, 179.427



40, 21.907, 288.886



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, 94.682, 302.817



34, 126.247, 304.879



30, 99.395, 309.514



38, 5.262, 285.814



20, 88.385, 304.346



2, 17.811, 287.697

Inverse Universe

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



41, 74.036, 30.669



53, 98.165, 35.626



72, 81.886, 122.057



38, 4.233, 10.169



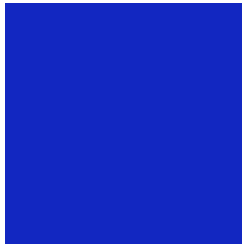
33, 68.879, 34.162



3, 14.114, 12.815

Previews

White Background



This preview shows how the CIE LCh color 28, 94.681, 302.816 looks on a white background.

Color Contrast Check

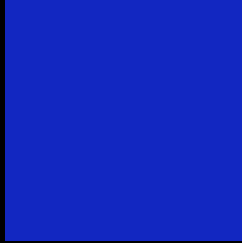
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 28, 94.681, 302.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

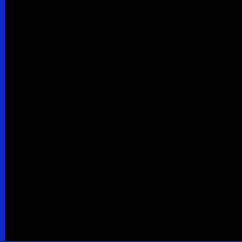
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 94.681, 302.816

Background



This preview shows how black text looks on a background with the CIELCh color 28, 94.681, 302.816.



This preview shows how white text looks on a background with the CIELCh color 28, 94.681, 302.816.

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, 94.660, 302.845

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 94.660, 302.845

Protanomaly
27, 64.720, 295.306

Deuteranomaly
27, 54.958, 291.581

Tritanomaly
26, 38.503, 281.672

Monochromacy



Original Color
28, 94.660, 302.845

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 37.553, 294.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 94.681, 302.816 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(18, 39, 193)` looks like.

```
.text, #text, p{  
    color:rgb(18, 39, 193)  
}
```

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(18, 39, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 39, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 94.681, 302.816 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(18, 39, 193) }
```

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

```
.border{ border-color:rgb(18, 39, 193) }
```

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

Here you see how a box with a 4 pixel rgb(18, 39, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 39, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 39, 193);  
box-shadow:4px 4px 4px 4px rgb(18, 39,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 94.681, 302.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 39, 193) }
```

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

```
.background{ background-color: rgb(18, 39,  
193) }
```

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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