

Converting Colors

CIELCh(30, 83.961, 300.044)

Have a look what the booklet for
CIELCh(30, 83.961, 300.044)
contains.

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Color

CIELCh(30, 83.944, 300.087)

Conversions

Conversions Part 1

Format	Color
Hex	1634BB
RGB	22, 52, 187
RGB Percent	9%, 20%, 73%
CMY	0.9121, 0.7956, 0.2661
CMYK	0.88, 0.72, 0.00, 0.27
HSL	229°, 79%, 41%
HSV	229°, 88%, 73%
XYZ	10.5586, 6.2359, 47.7444
YIQ	58.4200, -61.2150, 35.6250

Conversions

Conversions Part 2

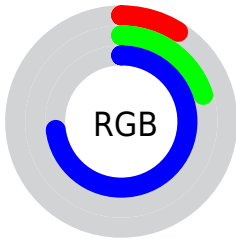
Format	Color
RYB	22, 47, 187
Decimal	1455291
CIELab	30.00, 42.08, -72.63
CIELCh	30, 83.944, 300.087
Yxy	6.2359, 0.1636, 0.0966
Android (android.graphics.Color)	4279645371 (0xFF1634BB)
YUV	58.4200, 63.3899, -31.9403
Hunter-Lab	24.9718, 31.7727, -95.8782

Details

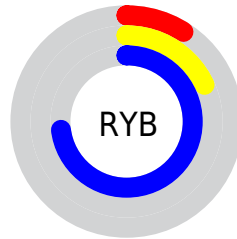
The CIELCh color **30, 83.944, 300.087** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **66, 65.632, 91.143**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 83.819, 300.147**, and **15, 77.806, 304.799** is the 20% darker color. If you saturate the color by 10%, you get **27, 93.122, 302.654**, and if you desaturate by 10%, it is **34, 73.759, 297.225**.

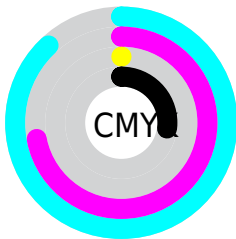
Distribution



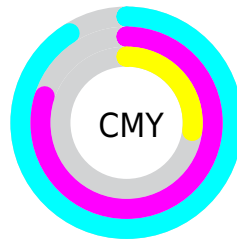
- Red (9%)
- Green (20%)
- Blue (73%)



- Red (9%)
- Yellow (18%)
- Blue (73%)



- Cyan (88%)
- Magenta (72%)
- Yellow (0%)
- Black (27%)





- Cyan (91%)
- Magenta (80%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 83.944, 300.087 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 30, 83.944, 300.087 by changing the saturation by 10% instead.


 30, 83.944,
300.087


 30, 83.944,
300.087

 100, 83.944,
300.087


 20, 83.944,
300.087


 50, 83.944,
300.087


 10, 83.944,
300.087

 60, 83.944,
300.087

 0, 83.944, 300.087

 70, 83.944,
300.087

 80, 83.944,
300.087

 90, 83.944,
300.087

■ 30, 83.944,
300.087

■ 30, 83.944,
300.087

■ 27, 93.122,
302.654

■ 34, 73.759,
297.225

■ 26, 94.749,
303.076

■ 39, 63.340,
294.358

■ 44, 53.095,
291.676

■ 50, 43.173,
289.272

■ 55, 33.601,
287.173

■ 61, 24.360,
285.366

■ 66, 15.424,
283.821

■ 72, 6.766, 282.508

Harmonies

Complementary

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



30, 83.944, 300.087



66, 65.632, 91.143

Rectangle

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



30, 83.944, 300.087



30, 83.944, 350.087



30, 83.944, 120.087



30, 83.944, 170.087

Sweetspot

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



30, 83.945, 300.088



78, 27.805, 285.102



68, 46.028, 174.574



39, 19.108, 285.684



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



30, 83.945, 300.088



34, 116.471, 303.453



29, 95.907, 308.620



37, 4.822, 282.670



21, 82.758, 302.761



2, 15.209, 285.001

Inverse Universe

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



40, 68.157, 24.938



51, 91.407, 31.867



70, 77.699, 119.641



37, 4.206, 5.553



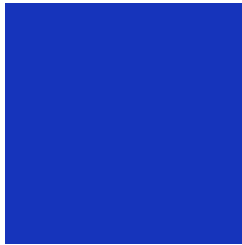
33, 65.446, 30.200



3, 12.481, 9.139

Previews

White Background



This preview shows how the CIE LCh color 30, 83.944, 300.087 looks on a white background.

Color Contrast Check

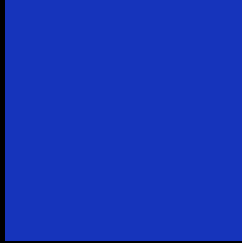
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 83.944, 300.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

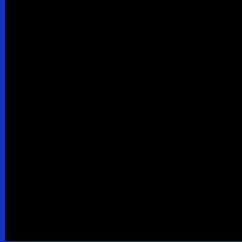
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 83.944, 300.087

Background



This preview shows how black text looks on a background with the CIELCh color 30, 83.944, 300.087.



This preview shows how white text looks on a background with the CIELCh color 30, 83.944, 300.087.

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


30, 83.944, 300.087

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.606, 205.662

Trichromacy



Original Color
30, 83.944, 300.087

Protanomaly
29, 61.674, 293.016

Deuteranomaly
29, 51.953, 288.656

Tritanomaly
29, 34.770, 275.251

Monochromacy



Original Color
30, 83.944, 300.087

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 32.850, 291.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 83.944, 300.087 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(22, 52, 187)` looks like.

```
.text, #text, p{  
    color:rgb(22, 52, 187)  
}
```

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(22, 52, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 52, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 83.944, 300.087 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(22, 52, 187) }
```

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

```
.border{ border-color:rgb(22, 52, 187) }
```

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

Here you see how a box with a 4 pixel rgb(22, 52, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 52, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 52, 187);  
box-shadow:4px 4px 4px 4px rgb(22, 52,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 83.944, 300.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 52, 187) }
```

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

```
.background{ background-color: rgb(22, 52,  
187) }
```

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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