

Converting Colors

CIELCh(30, 82.893, 301.027)

Have a look what the booklet for
CIELCh(30, 82.893, 301.027)
contains.

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Color

CIELCh(30, 82.603, 300.994)

Conversions

Conversions Part 1

Format	Color
Hex	2533B8
RGB	37, 51, 184
RGB Percent	15%, 20%, 72%
CMY	0.8542, 0.7997, 0.2780
CMYK	0.80, 0.72, 0.00, 0.28
HSL	234°, 66%, 43%
HSV	234°, 80%, 72%
XYZ	10.6185, 6.2359, 46.0448
YIQ	61.9760, -51.0370, 38.3950

Conversions

Conversions Part 2

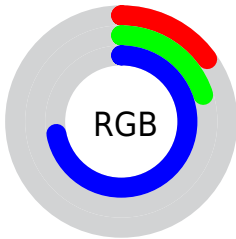
Format	Color
R_{YB}	37, 50, 184
Decimal	2438072
CIE _{Lab}	30.00, 42.54, -70.81
CIE _{LCh}	30, 82.603, 300.994
Yxy	6.2359, 0.1688, 0.0991
Android (android.graphics.Color)	4280628152 (0xFF2533B8)
YUV	61.9760, 60.1578, -21.9040
Hunter-Lab	24.9718, 32.2011, -91.8429

Details

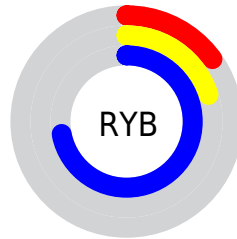
The CIELCh color $30, 82.603, 300.994$ is a dark color, and the websafe version is hex $3333CC$. A complement of this color would be $69, 64.955, 97.975$, and the grayscale version is $26, 0.004, 296.813$.

A 20% lighter version of the original color is $50, 82.733, 301.002$, and $14, 77.580, 305.029$ is the 20% darker color. If you saturate the color by 10%, you get $26, 92.544, 303.300$, and if you desaturate by 10%, it is $35, 71.543, 298.469$.

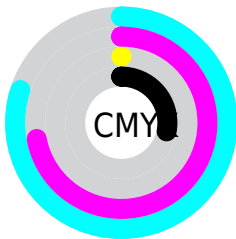
Distribution



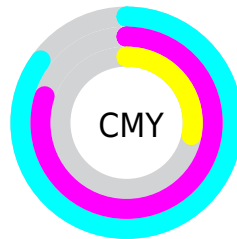
- Red (15%)
- Green (20%)
- Blue (72%)



- Red (15%)
- Yellow (20%)
- Blue (72%)



- Cyan (80%)
- Magenta (72%)
- Yellow (0%)
- Black (28%)




- Cyan (85%)
- Magenta (80%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 82.603, 300.994 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, 82.603, 300.994 by changing the saturation by 10% instead.


 30, 82.603,
300.994


 30, 82.603,
300.994

 100, 82.603,
300.994


 20, 82.603,
300.994


 50, 82.603,
300.994


 10, 82.603,
300.994

 60, 82.603,
300.994

 0, 82.603, 300.994

 70, 82.603,
300.994

 80, 82.603,
300.994

 90, 82.603,
300.994

■ 30, 82.603,
300.994

■ 30, 82.603,
300.994

■ 26, 92.544,
303.300

■ 35, 71.543,
298.469

■ 23, 100.074,
305.023

■ 40, 60.275,
295.982

■ 23, 100.194,
305.048

■ 46, 49.235,
293.694

■ 52, 38.578,
291.671

■ 57, 28.331,
289.921

■ 63, 18.476,
288.423

■ 69, 8.985, 287.150

■ 75, 0.172, 105.481

Harmonies

Complementary

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



30, 82.603, 300.994



69, 64.955, 97.975

Rectangle

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



30, 82.603, 300.994



30, 82.603, 350.994



30, 82.603, 120.994



30, 82.603, 170.994

Sweetspot

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



30, 82.604, 300.995



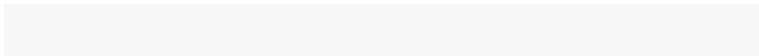
77, 27.989, 289.083



68, 40.086, 184.495



38, 19.345, 289.624



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



30, 82.604, 300.995



33, 120.245, 304.741



32, 87.135, 310.141



36, 5.179, 287.096



19, 87.816, 304.839



1, 14.312, 287.379

Inverse Universe

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



41, 64.777, 27.493



50, 93.206, 35.313



69, 74.352, 122.748



36, 4.028, 12.283



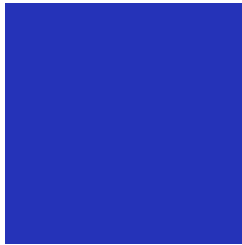
32, 68.289, 35.513



2, 10.706, 13.673

Previews

White Background



This preview shows how the CIE LCh color 30, 82.603, 300.994 looks on a white background.

Color Contrast Check

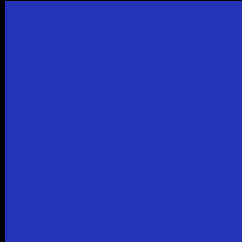
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.603, 300.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

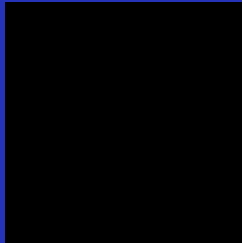
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 82.603, 300.994

Background



This preview shows how black text looks on a background with the CIELCh color 30, 82.603, 300.994.



This preview shows how white text looks on a background with the CIELCh color 30, 82.603, 300.994.

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, 82.603, 300.994

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.606, 205.662

Trichromacy



Original Color
30, 82.603, 300.994

Protanomaly
29, 61.035, 293.140

Deuteranomaly
29, 51.299, 288.805

Tritanomaly
28, 34.649, 276.457

Monochromacy



Original Color
30, 82.603, 300.994

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 31.329, 293.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 82.603, 300.994 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(37, 51, 184)` looks like.

```
.text, #text, p{  
    color:rgb(37, 51, 184)  
}
```

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(37, 51, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 51, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 82.603, 300.994 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(37, 51, 184) }
```

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

```
.border{ border-color:rgb(37, 51, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 51, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 51, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 51, 184);  
box-shadow:4px 4px 4px 4px rgb(37, 51,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 82.603, 300.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 51, 184) }
```

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

```
.background{ background-color: rgb(37, 51,  
184) }
```

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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