

Converting Colors

CIELCh(30, 106.833, 303.639)

Have a look what the booklet for
CIELCh(30, 106.833, 303.639)
contains.

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Color

CIELCh(30, 106.632, 303.594)

Conversions

Conversions Part 1

Format	Color
Hex	0425D7
RGB	4, 37, 215
RGB Percent	2%, 15%, 84%
CMY	0.9842, 0.8555, 0.1576
CMYK	0.98, 0.83, 0.00, 0.16
HSL	231°, 96%, 43%
HSV	231°, 98%, 84%
XYZ	12.9487, 6.2359, 64.6883
YIQ	47.4250, -76.8060, 48.3620

Conversions

Conversions Part 2

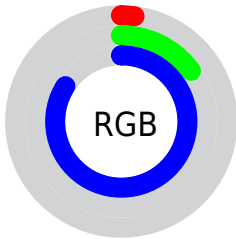
Format	Color
R_{YB}	4, 33, 215
Decimal	271831
CIE Lab	30.00, 59.00, -88.82
CIE LCh	30, 106.632, 303.594
Yxy	6.2359, 0.1544, 0.0743
Android (android.graphics.Color)	4278461911 (0xFF0425D7)
YUV	47.4250, 82.6145, -38.0837
Hunter-Lab	24.9718, 48.8573, -136.1078

Details

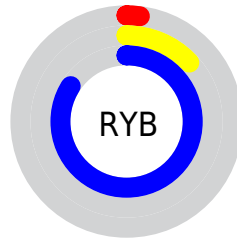
The CIELCh color **30, 106.632, 303.594** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **75, 76.379, 91.712**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 96.685, 303.294**, and **18, 93.572, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 108.211, 303.950**, and if you desaturate by 10%, it is **34, 96.784, 301.237**.

Distribution



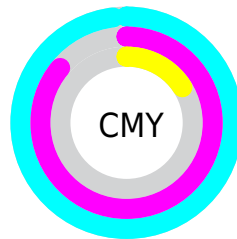
- Red (2%)
- Green (15%)
- Blue (84%)



- Red (2%)
- Yellow (13%)
- Blue (84%)



- Cyan (98%)
- Magenta (83%)
- Yellow (0%)
- Black (16%)





- Cyan (98%)
- Magenta (86%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 106.632, 303.594 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, 106.632, 303.594 by changing the saturation by 10% instead.


 30, 106.632,
303.594


 30, 106.632,
303.594


 100, 106.632,
303.594


 20, 106.632,
303.594


 50, 106.632,
303.594


 10, 106.632,
303.594

 60, 106.632,
303.594

 0, 106.632,
303.594

 70, 106.632,
303.594

 80, 106.632,
303.594

 90, 106.632,
303.594

■ 30, 106.632,
303.594

■ 30, 106.632,
303.594

■ 29, 108.211,
303.950

■ 34, 96.784,
301.237

■ 38, 85.324,
298.500

■ 44, 73.350,
295.693

■ 50, 61.482,
293.033

■ 56, 49.968,
290.636

■ 62, 38.870,
288.540

■ 68, 28.177,
286.736

■ 75, 17.859,

285.195

■ 81, 7.884, 283.888

Harmonies

Complementary

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



30, 106.632, 303.594



75, 76.379, 91.712

Rectangle

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



30, 106.632, 303.594



30, 106.632, 353.594



30, 106.632, 123.594



30, 106.632, 173.594

Sweetspot

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



30, 106.634, 303.595



79, 33.453, 286.930



77, 52.165, 174.485



39, 23.127, 287.687



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 106.634, 303.595



35, 124.016, 304.150



31, 112.618, 308.729



42, 5.502, 284.044



23, 90.175, 303.610



3, 24.621, 290.274

Inverse Universe

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



45, 83.426, 32.272



53, 96.765, 33.644



79, 90.309, 121.408



42, 4.638, 7.470



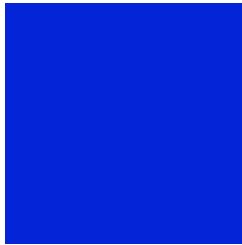
35, 70.664, 32.259



5, 22.001, 12.830

Previews

White Background



This preview shows how the CIELCh color 30, 106.632, 303.594 looks on a white background.

Color Contrast Check

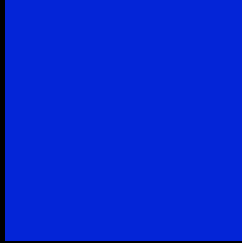
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 106.632, 303.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

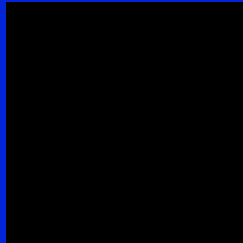
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 106.632, 303.594

Background



This preview shows how black text looks on a background with the CIELCh color 30, 106.632, 303.594.



This preview shows how white text looks on a background with the CIELCh color 30, 106.632, 303.594.

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, 106.646, 303.580

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 106.646, 303.580

Protanomaly
29, 70.922, 296.169

Deuteranomaly
28, 61.342, 292.984

Tritanomaly
28, 43.189, 283.469

Monochromacy



Original Color
30, 106.646, 303.580

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 43.688, 295.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 106.632, 303.594 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(4, 37, 215)` looks like.

```
.text, #text, p{  
    color:rgb(4, 37, 215)  
}
```

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(4, 37, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 37, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 106.632, 303.594 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(4, 37, 215) }
```

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

```
.border{ border-color:rgb(4, 37, 215) }
```

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

Here you see how a box with a 4 pixel rgb(4, 37, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 37, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 37, 215);  
box-shadow:4px 4px 4px 4px rgb(4, 37, 215)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 106.632, 303.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 37, 215) }
```

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

```
.background{ background-color: rgb(4, 37,  
215) }
```

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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