

Converting Colors

CIELCh(30, 90.218, 300.564)

Have a look what the booklet for
CIELCh(30, 90.218, 300.564)
contains.

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Color

CIELCh(30, 90.229, 300.543)

Conversions

Conversions Part 1

Format	Color
Hex	0032C4
RGB	0, 50, 196
RGB Percent	0%, 20%, 77%
CMY	1.0000, 0.8047, 0.2324
CMYK	1.00, 0.75, 0.00, 0.23
HSL	225°, 100%, 38%
HSV	225°, 100%, 77%
XYZ	11.0633, 6.2359, 52.6907
YIQ	51.6940, -76.6660, 34.8060

Conversions

Conversions Part 2

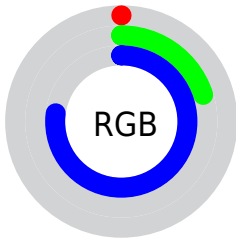
Format	Color
R _Y B	0, 40, 196
Decimal	12996
CIE Lab	30.00, 45.85, -77.71
CIE LCh	30, 90.229, 300.543
Yxy	6.2359, 0.1581, 0.0891
Android (android.graphics.Color)	4278203076 (0xFF0032C4)
YUV	51.6940, 71.1429, -45.3356
Hunter-Lab	24.9718, 35.3808, -107.6222

Details

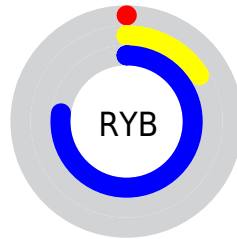
The CIELCh color **30, 90.229, 300.543** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **64, 68.591, 82.923**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 90.413, 300.632**, and **16, 83.221, 305.347** is the 20% darker color. If you saturate the color by 10%, you get **30, 90.228, 300.548**, and if you desaturate by 10%, it is **34, 80.892, 297.557**.

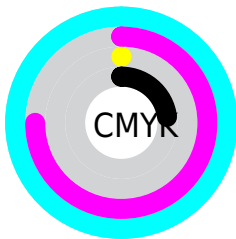
Distribution



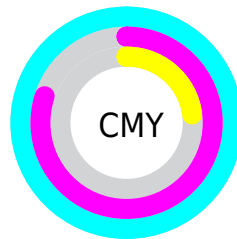
- Red (0%)
- Green (20%)
- Blue (77%)



- Red (0%)
- Yellow (16%)
- Blue (77%)



- Cyan (100%)
- Magenta (75%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (80%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 90.229, 300.543 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, 90.229, 300.543 by changing the saturation by 10% instead.


 30, 90.229,
300.543


 30, 90.229,
300.543

 100, 90.229,
300.543


 20, 90.229,
300.543


 50, 90.229,
300.543

 10, 90.229,
300.543

 60, 90.229,
300.543

 0, 90.229, 300.543

 70, 90.229,
300.543

 80, 90.229,
300.543

 90, 90.229,
300.543

■ 30, 90.229,
300.543

■ 30, 90.229,
300.543

■ 30, 90.228,
300.548

■ 34, 80.892,
297.557

■ 38, 71.093,
294.319

■ 42, 61.302,
291.145

■ 47, 51.748,
288.203

■ 53, 42.491,
285.578

■ 58, 33.522,
283.291

■ 63, 24.813,
281.321

■ 68, 16.337,

279.637

■ 74, 8.074, 278.202

Harmonies

Complementary

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



30, 90.229, 300.543



64, 68.591, 82.923

Rectangle

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



30, 90.229, 300.543



30, 90.229, 350.543



30, 90.229, 120.543



30, 90.229, 170.543

Sweetspot

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



30, 90.228, 300.548



80, 30.775, 281.408



70, 55.566, 164.523



40, 21.113, 282.220



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, 90.228, 300.548



40, 111.763, 301.021



25, 107.582, 307.534



38, 4.537, 278.118



24, 76.841, 300.097



3, 16.066, 283.115

Inverse Universe

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



41, 73.754, 25.354



54, 90.633, 26.335



73, 82.207, 116.550



38, 4.423, 0.021



33, 63.312, 24.441



3, 14.451, 5.796

Previews

White Background



This preview shows how the CIE LCh color 30, 90.229, 300.543 looks on a white background.

Color Contrast Check

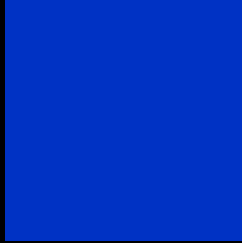
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.229, 300.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

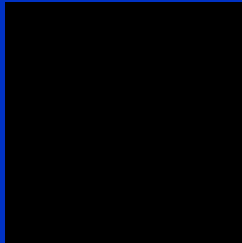
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 90.229, 300.543

Background



This preview shows how black text looks on a background with the CIELCh color 30, 90.229, 300.543.



This preview shows how white text looks on a background with the CIELCh color 30, 90.229, 300.543.

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, 90.239, 300.521

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 90.239, 300.521

Protanomaly
29, 64.758, 293.769

Deuteranomaly
29, 53.806, 288.956

Tritanomaly
28, 37.214, 277.096

Monochromacy



Original Color
30, 90.239, 300.521

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 35.379, 289.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 90.229, 300.543 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(0, 50, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 50, 196)  
}
```

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(0, 50, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 50, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 90.229, 300.543 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(0, 50, 196) }
```

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

```
.border{ border-color:rgb(0, 50, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 50, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 50, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 50, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 50, 196)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 90.229, 300.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 50, 196) }
```

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

```
.background{ background-color: rgb(0, 50,  
196) }
```

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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