

Converting Colors

CIELCh(35, 75.374, 268.805)

Have a look what the booklet for
CIELCh(35, 75.374, 268.805)
contains.

CIELCh(41, 68.236, 289.014)	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(41, 68.236, 289.014)

Conversions

Conversions Part 1

Format	Color
Hex	005BCC
RGB	0, 91, 204
RGB Percent	0%, 36%, 80%
CMY	1.0000, 0.6421, 0.1996
CMYK	1.00, 0.55, 0.00, 0.20
HSL	213°, 100%, 40%
HSV	213°, 100%, 80%
XYZ	14.6234, 11.8645, 58.7143
YIQ	76.6730, -90.5090, 15.8510

Conversions

Conversions Part 2

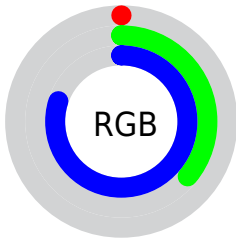
Format	Color
R _Y B	0, 63, 204
Decimal	23500
CIE Lab	41.00, 22.23, -64.51
CIE LCh	41, 68.236, 289.014
Yxy	11.8645, 0.1716, 0.1393
Android (android.graphics.Color)	4278213580 (0xFF005BCC)
YUV	76.6730, 62.7722, -67.2422
Hunter-Lab	34.4449, 15.5025, -76.9534

Details

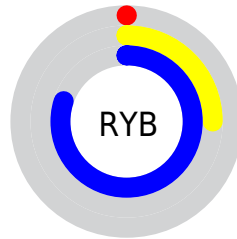
The CIELCh color **41, 68.236, 289.014** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **57, 70.814, 64.855**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 64.841, 288.305**, and **24, 66.196, 296.959** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.212, 289.139**, and if you desaturate by 10%, it is **44, 61.026, 284.952**.

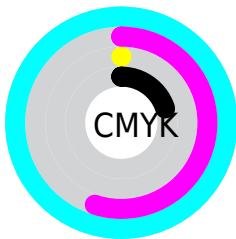
Distribution



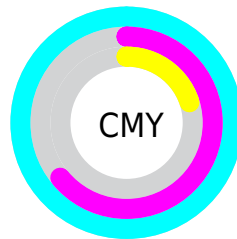
- Red (0%)
- Green (36%)
- Blue (80%)



- Red (0%)
- Yellow (25%)
- Blue (80%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (64%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 68.236, 289.014 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 41, 68.236, 289.014 by changing the saturation by 10% instead.


 41, 68.236,
289.014


 41, 68.236,
289.014


 100, 68.236,
289.014

 31, 68.236,
289.014

 61, 68.236,
289.014


 21, 68.236,
289.014

 71, 68.236,
289.014


 11, 68.236,
289.014


 81, 68.236,
289.014

 1, 68.236, 289.014

 91, 68.236,
289.014

 0, 68.236, 289.014

 41, 68.236,

 41, 68.236,

289.014

289.014

■ 41, 68.212,
289.139

■ 44, 61.026,
284.952

■ 48, 54.050,
280.780

■ 52, 47.236,
276.909

■ 56, 40.513,
273.454

■ 60, 33.818,
270.448

■ 64, 27.108,
267.876

■ 69, 20.367,
265.695

■ 73, 13.595,
263.851

Harmonies

Complementary

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



41, 68.236, 289.014



57, 70.814, 64.855

Rectangle

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



41, 68.236, 289.014



41, 68.236, 339.014



41, 68.236, 109.014



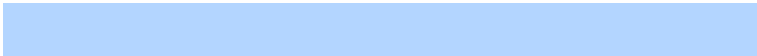
41, 68.236, 159.014

Sweetspot

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



41, 68.212, 289.139



84, 24.398, 265.773



73, 71.623, 151.632



43, 16.634, 266.666



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 68.212, 289.139



51, 81.781, 289.719



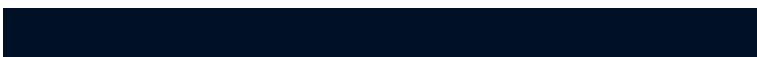
25, 112.908, 306.417



41, 3.858, 262.221



33, 57.532, 288.467



5, 16.144, 275.436

Inverse Universe

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



44, 71.393, 7.452



55, 84.458, 8.155



79, 82.106, 105.958



40, 5.131, 347.374



35, 61.152, 6.659



4, 19.440, 356.771

Previews

White Background



This preview shows how the CIE LCh color 41, 68.236, 289.014 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 × Fail

Black Background



This preview shows how the CIE LCh color 41, 68.236, 289.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

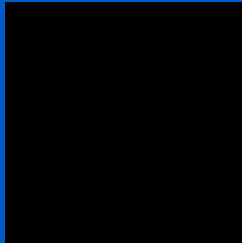
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 68.236, 289.014

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.236, 289.014.



This preview shows how white text looks on a background with the CIELCh color 41, 68.236, 289.014.

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


41, 68.316, 289.221

Protanopia

41, 63.697, 287.126

Deuteranopia

41, 44.837, 274.382



Tritanopia
41, 25.624, 206.278

Trichromacy



Original Color
41, 68.316, 289.221

Protanomaly
41, 65.445, 288.000

Deuteranomaly
41, 52.981, 281.182

Tritanomaly
40, 32.865, 257.476

Monochromacy



Original Color
41, 68.316, 289.221

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 26.919, 272.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.236, 289.014 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, 91, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 204)  
}
```

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, 91, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.236, 289.014 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, 91, 204) }
```

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

```
.border{ border-color:rgb(0, 91, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 91, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 91, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 91, 204)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.236, 289.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 204) }
```

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

```
.background{ background-color: rgb(0, 91,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor