

Converting Colors

CIELCh(21, 92.374, 304.628)

Have a look what the booklet for
CIELCh(21, 92.374, 304.628)
contains.

CIELCh(21, 92.495, 304.703)	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(21, 92.495, 304.703)

Conversions

Conversions Part 1

Format	Color
Hex	0012A8
RGB	0, 18, 168
RGB Percent	0%, 7%, 66%
CMY	1.0000, 0.9300, 0.3418
CMYK	1.00, 0.89, 0.00, 0.34
HSL	234°, 100%, 33%
HSV	234°, 100%, 66%
XYZ	7.2596, 3.2451, 37.2146
YIQ	29.7180, -58.8780, 42.8340

Conversions

Conversions Part 2

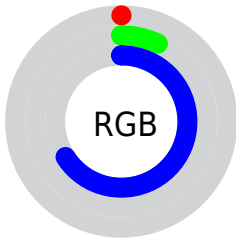
Format	Color
RYB	0, 16, 168
Decimal	4776
CIELab	21.00, 52.66, -76.04
CIELCh	21, 92.495, 304.703
Yxy	3.2451, 0.1521, 0.0680
Android (android.graphics.Color)	4278194856 (0xFF0012A8)
YUV	29.7180, 68.1730, -26.0627
Hunter-Lab	18.0142, 40.4088, -109.8741

Details

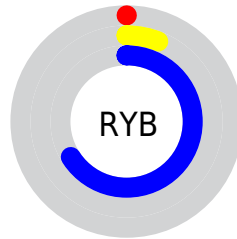
The CIELCh color **21, 92.495, 304.703** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **62, 65.799, 95.575**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 92.443, 304.580**, and **11, 73.877, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **21, 92.482, 304.718**, and if you desaturate by 10%, it is **24, 85.126, 302.887**.

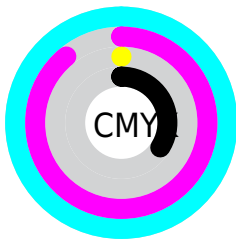
Distribution



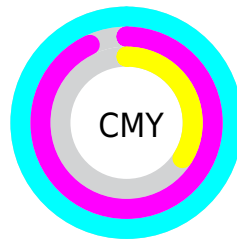
- Red (0%)
- Green (7%)
- Blue (66%)



- Red (0%)
- Yellow (6%)
- Blue (66%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (93%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 92.495, 304.703 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 21, 92.495, 304.703 by changing the saturation by 10% instead.

 21, 92.495,
304.703


 21, 92.495,
304.703

 100, 92.495,
304.703


 11, 92.495,
304.703


 41, 92.495,
304.703


 1, 92.495, 304.703

 51, 92.495,
304.703

 0, 92.495, 304.703

 61, 92.495,
304.703

 71, 92.495,
304.703

 81, 92.495,
304.703

 91, 92.495,

304.703

■ 21, 92.495,
304.703

■ 21, 92.495,
304.703

■ 21, 92.482,
304.718

■ 24, 85.126,
302.887

■ 27, 75.799,
300.506

■ 32, 65.600,
297.944

■ 37, 55.281,
295.445

■ 42, 45.196,
293.155

■ 47, 35.463,
291.132

■ 53, 26.099,
289.381

■ 58, 17.087,
287.882

■ 63, 8.398, 286.605

Harmonies

Complementary

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



21, 92.495, 304.703



62, 65.799, 95.575

Rectangle

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



21, 92.495, 304.703



21, 92.495, 354.703



21, 92.495, 124.703



21, 92.495, 174.703

Sweetspot

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



21, 92.482, 304.718



67, 32.476, 289.471



62, 40.980, 180.282



33, 22.291, 290.151



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



21, 92.482, 304.718



29, 114.094, 305.022



23, 93.401, 309.650



33, 4.757, 286.522



18, 83.727, 304.532



1, 8.697, 286.213

Inverse Universe

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



35, 71.946, 35.176



46, 88.689, 36.033



62, 76.674, 123.539



33, 3.754, 11.332



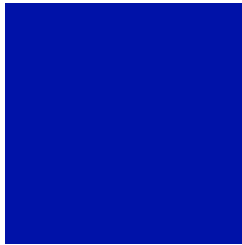
30, 65.185, 34.665



1, 6.642, 11.839

Previews

White Background



This preview shows how the CIE LCh color 21, 92.495, 304.703 looks on a white background.

Color Contrast Check

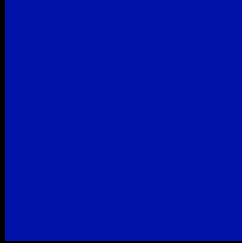
Large Text (above 18pt) WCAG AA ✓ Pass

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 21, 92.495, 304.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

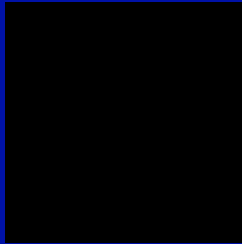
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 92.495, 304.703

Background



This preview shows how black text looks on a background with the CIELCh color 21, 92.495, 304.703.



This preview shows how white text looks on a background with the CIELCh color 21, 92.495, 304.703.

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

21, 92.495, 304.703

Protanopia

22, 37.339, 283.375

Deuteranopia

21, 26.076, 268.345



Tritanopia
21, 17.025, 203.450

Trichromacy



Original Color
21, 92.495, 304.703

Protanomaly
20, 59.380, 297.016

Deuteranomaly
20, 51.885, 294.259

Tritanomaly
19, 39.160, 287.564

Monochromacy



Original Color
21, 92.495, 304.703

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 38.488, 297.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 92.495, 304.703 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, 18, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 18, 168)  
}
```

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, 18, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 18, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 92.495, 304.703 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, 18, 168) }
```

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

```
.border{ border-color:rgb(0, 18, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 18, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 18, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 18, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 18, 168)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 92.495, 304.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 18, 168) }
```

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

```
.background{ background-color: rgb(0, 18,  
168) }
```

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