

Converting Colors

CIELCh(21, 92.177, 308.237)

Have a look what the booklet for
CIELCh(21, 92.177, 308.237)
contains.

CIELCh(21, 92.269, 308.217)	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, 92.269, 308.217)

Conversions

Conversions Part 1

Format	Color
Hex	2F01A2
RGB	47, 1, 162
RGB Percent	18%, 0%, 64%
CMY	0.8151, 0.9956, 0.3643
CMYK	0.71, 0.99, 0.00, 0.36
HSL	257°, 99%, 32%
HSV	257°, 99%, 64%
XYZ	7.7230, 3.2451, 34.4530
YIQ	33.1080, -24.2650, 59.8230

Conversions

Conversions Part 2

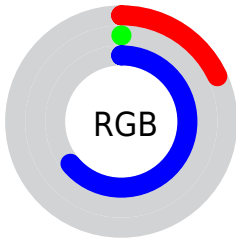
Format	Color
R_{YB}	47, 1, 162
Decimal	3080610
CIE _{Lab}	21.00, 57.08, -72.49
CIE _{LCh}	21, 92.269, 308.217
Yxy	3.2451, 0.1700, 0.0714
Android (android.graphics.Color)	4281270690 (0xFF2F01A2)
YUV	33.1080, 63.5438, 12.1833
Hunter-Lab	18.0142, 45.0015, -100.7849

Details

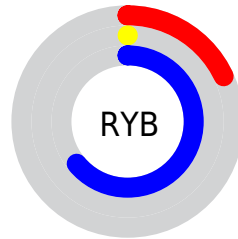
The CIELCh color **21, 92.269, 308.217** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 72.279, 119.003**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 91.929, 308.121**, and **10, 71.560, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **21, 92.647, 308.236**, and if you desaturate by 10%, it is **23, 86.834, 308.113**.

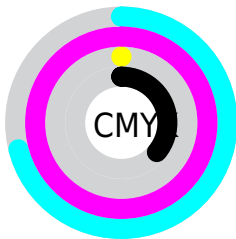
Distribution



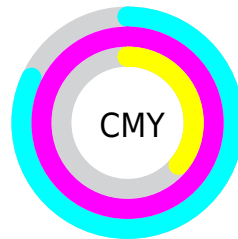
- Red (18%)
- Green (0%)
- Blue (64%)



- Red (18%)
- Yellow (0%)
- Blue (64%)



- Cyan (71%)
- Magenta (99%)
- Yellow (0%)
- Black (36%)





- Cyan (82%)
- Magenta (100%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 92.269, 308.217 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, 92.269, 308.217 by changing the saturation by 10% instead.

 21, 92.269,
308.217


 21, 92.269,
308.217

 100, 92.269,
308.217


 11, 92.269,
308.217


 41, 92.269,
308.217


 1, 92.269, 308.217


 51, 92.269,
308.217

 0, 92.269, 308.217

 61, 92.269,
308.217

 71, 92.269,
308.217

 81, 92.269,
308.217

 91, 92.269,

308.217

■ 21, 92.269,
308.217

■ 21, 92.269,
308.217

■ 21, 92.647,
308.236

■ 23, 86.834,
308.113

■ 27, 79.228,
307.671

■ 31, 69.834,
306.908

■ 36, 59.555,
305.990

■ 41, 48.997,
305.036

■ 46, 38.501,
304.117

■ 51, 28.238,
303.267

■ 56, 18.283,
302.502

■ 62, 8.661, 301.823

Harmonies

Complementary

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



21, 92.269, 308.217



61, 72.279, 119.003

Rectangle

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



21, 92.269, 308.217



21, 92.269, 358.217



21, 92.269, 128.217



21, 92.269, 178.217

Sweetspot

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



21, 92.270, 308.218



65, 35.992, 303.370



46, 33.767, 252.097



32, 24.918, 303.706



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



21, 92.270, 308.218



29, 113.215, 308.070



32, 83.902, 320.224



32, 5.293, 301.821



18, 85.431, 308.318



1, 8.090, 300.251

Inverse Universe

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



36, 66.434, 343.547



47, 80.799, 344.048



58, 83.251, 134.338



32, 5.130, 334.303



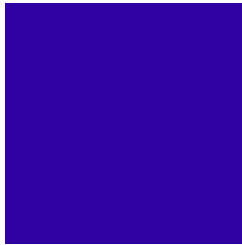
32, 61.493, 343.477



1, 7.612, 336.040

Previews

White Background



This preview shows how the CIE LCh color 21, 92.269, 308.217 looks on a white background.

Color Contrast Check

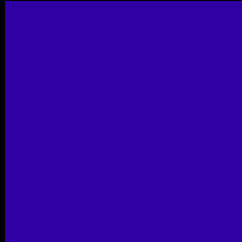
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.269, 308.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

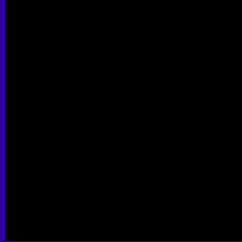
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 92.269, 308.217

Background



This preview shows how black text looks on a background with the CIELCh color 21, 92.269, 308.217.



This preview shows how white text looks on a background with the CIELCh color 21, 92.269, 308.217.

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, 92.269, 308.217

Protanopia

22, 37.892, 283.450

Deuteranopia

22, 26.639, 268.815



Tritanopia
22, 17.123, 205.740

Trichromacy



Original Color
21, 92.269, 308.217

Protanomaly
19, 62.540, 300.026

Deuteranomaly
18, 55.311, 298.402

Tritanomaly
17, 41.893, 293.498

Monochromacy



Original Color
21, 92.269, 308.217

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 41.578, 306.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 92.269, 308.217 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(47, 1, 162)` looks like.

```
.text, #text, p{  
    color:rgb(47, 1, 162)  
}
```

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(47, 1, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 1, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 92.269, 308.217 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(47, 1, 162) }
```

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

```
.border{ border-color:rgb(47, 1, 162) }
```

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

Here you see how a box with a 4 pixel rgb(47, 1, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 1, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 1, 162);  
box-shadow:4px 4px 4px 4px rgb(47, 1, 162)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 92.269, 308.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 1, 162) }
```

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

```
.background{ background-color: rgb(47, 1,  
162) }
```

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