

Converting Colors

CIELCh(21, 79.459, 304.421)

Have a look what the booklet for
CIELCh(21, 79.459, 304.421)
contains.

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Color

CIELCh(21, 79.477, 304.384)

Conversions

Conversions Part 1

Format	Color
Hex	1F1A97
RGB	31, 26, 151
RGB Percent	12%, 10%, 59%
CMY	0.8798, 0.8987, 0.4086
CMYK	0.80, 0.83, 0.00, 0.41
HSL	242°, 71%, 35%
HSV	242°, 83%, 59%
XYZ	6.4902, 3.2451, 29.4784
YIQ	41.7450, -37.1450, 39.9350

Conversions

Conversions Part 2

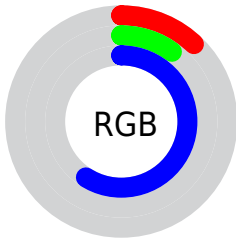
Format	Color
R_{YB}	31, 26, 151
Decimal	2038423
CIE _{Lab}	21.00, 44.88, -65.59
CIE _{LCh}	21, 79.477, 304.384
Yxy	3.2451, 0.1655, 0.0828
Android (android.graphics.Color)	4280228503 (0xFF1F1A97)
YUV	41.7450, 53.8627, -9.4234
Hunter-Lab	18.0142, 32.7852, -84.4119

Details

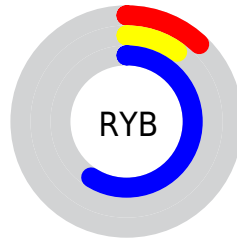
The CIELCh color **21, 79.477, 304.384** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **60, 60.847, 105.442**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 79.856, 304.460**, and **8, 66.867, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 86.412, 305.677**, and if you desaturate by 10%, it is **25, 70.265, 302.613**.

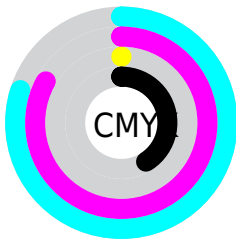
Distribution



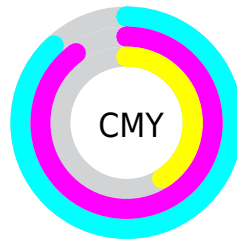
- Red (12%)
- Green (10%)
- Blue (59%)



- Red (12%)
- Yellow (10%)
- Blue (59%)



- Cyan (80%)
- Magenta (83%)
- Yellow (0%)
- Black (41%)



- Cyan (88%)
- Magenta (90%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 79.477, 304.384 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, 79.477, 304.384 by changing the saturation by 10% instead.

■ 21, 79.477,
304.384

■ 21, 79.477,
304.384

■ 100, 79.477,
304.384

■ 11, 79.477,
304.384

■ 41, 79.477,
304.384

■ 1, 79.477, 304.384

■ 51, 79.477,
304.384

■ 0, 79.477, 304.384

■ 61, 79.477,
304.384

■ 71, 79.477,
304.384

■ 81, 79.477,
304.384

■ 91, 79.477,

304.384

■ 21, 79.477,
304.384

■ 21, 79.477,
304.384

■ 18, 86.412,
305.677

■ 25, 70.265,
302.613

■ 17, 90.211,
306.433

■ 29, 60.055,
300.658

■ 34, 49.666,
298.742

■ 40, 39.485,
296.986

■ 45, 29.658,
295.435

■ 50, 20.217,
294.093

■ 56, 11.155,
292.943

■ 61, 2.448, 291.973

■ 66, 5.928, 111.111

Harmonies

Complementary

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



21, 79.477, 304.384



60, 60.847, 105.442

Rectangle

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



21, 79.477, 304.384



21, 79.477, 354.384



21, 79.477, 124.384



21, 79.477, 174.384

Sweetspot

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



21, 79.478, 304.385



63, 27.547, 294.426



55, 31.130, 201.069



31, 19.069, 294.855



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



21, 79.478, 304.385



24, 109.236, 306.309



27, 75.346, 313.429



30, 4.921, 292.569



15, 85.542, 306.446



0, 5.233, 291.676

Inverse Universe

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



37, 71.489, 329.397



46, 91.917, 329.819



56, 67.686, 127.648



30, 5.786, 325.970



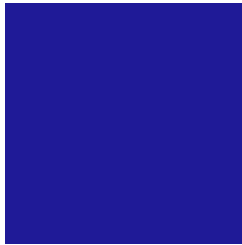
33, 71.904, 329.796



1, 6.199, 325.627

Previews

White Background



This preview shows how the CIE LCh color 21, 79.477, 304.384 looks on a white background.

Color Contrast Check

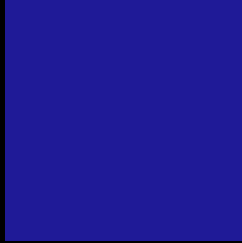
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.477, 304.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

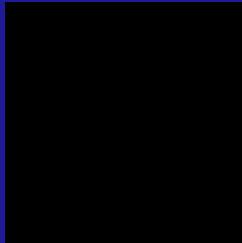
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 79.477, 304.384

Background



This preview shows how black text looks on a background with the CIELCh color 21, 79.477, 304.384.



This preview shows how white text looks on a background with the CIELCh color 21, 79.477, 304.384.

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, 79.477, 304.384

Protanopia

21, 36.784, 283.299

Deuteranopia

21, 25.512, 267.852



Tritanopia
21, 16.831, 203.552

Trichromacy



Original Color
21, 79.477, 304.384

Protanomaly
20, 53.582, 295.754

Deuteranomaly
20, 45.941, 292.519

Tritanomaly
19, 32.430, 283.344

Monochromacy



Original Color
21, 79.477, 304.384

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 31.889, 298.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 79.477, 304.384 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(31, 26, 151)` looks like.

```
.text, #text, p{  
    color:rgb(31, 26, 151)  
}
```

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(31, 26, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 26, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 79.477, 304.384 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(31, 26, 151) }
```

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

```
.border{ border-color:rgb(31, 26, 151) }
```

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

Here you see how a box with a 4 pixel rgb(31, 26, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 26, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 26, 151);  
box-shadow:4px 4px 4px 4px rgb(31, 26,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 79.477, 304.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 26, 151) }
```

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

```
.background{ background-color: rgb(31, 26,  
151) }
```

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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