

Converting Colors

CIELCh(21, 48.705, 311.363)

Have a look what the booklet for
CIELCh(21, 48.705, 311.363)
contains.

CIELCh(21, 48.829, 311.342)	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, 48.829, 311.342)

Conversions

Conversions Part 1

Format	Color
Hex	422069
RGB	66, 32, 105
RGB Percent	26%, 13%, 41%
CMY	0.7399, 0.8734, 0.5870
CMYK	0.37, 0.69, 0.00, 0.59
HSL	268°, 53%, 27%
HSV	268°, 69%, 41%
XYZ	5.3598, 3.2451, 13.7962
YIQ	50.4880, -3.1690, 29.9110

Conversions

Conversions Part 2

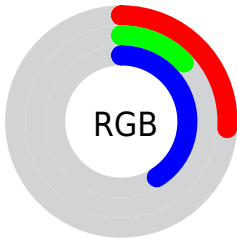
Format	Color
R_{YB}	66, 32, 105
Decimal	4333673
CIE _{Lab}	21.00, 32.25, -36.66
CIE _{LCh}	21, 48.829, 311.342
Yxy	3.2451, 0.2393, 0.1449
Android (android.graphics.Color)	4282523753 (0xFF422069)
YUV	50.4880, 26.8744, 13.6040
Hunter-Lab	18.0142, 21.5841, -32.7972

Details

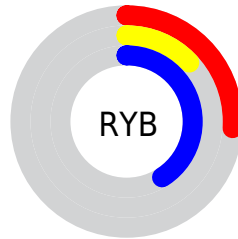
The CIELCh color **21, 48.829, 311.342** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 43.788, 125.116**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 48.677, 311.140**, and **4, 39.795, 308.191** is the 20% darker color. If you saturate the color by 10%, you get **18, 55.086, 311.647**, and if you desaturate by 10%, it is **24, 41.937, 310.888**.

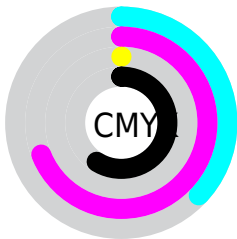
Distribution



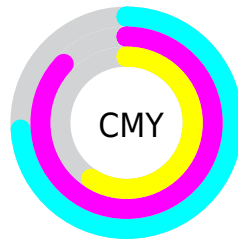
- Red (26%)
- Green (13%)
- Blue (41%)



- Red (26%)
- Yellow (13%)
- Blue (41%)



- Cyan (37%)
- Magenta (69%)
- Yellow (0%)
- Black (59%)



- Cyan (74%)
- Magenta (87%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 48.829, 311.342 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, 48.829, 311.342 by changing the saturation by 10% instead.

■ 21, 48.829,
311.342

■ 21, 48.829,
311.342

■ 100, 48.829,
311.342

■ 11, 48.829,
311.342

■ 41, 48.829,
311.342

■ 1, 48.829, 311.342

■ 51, 48.829,
311.342

■ 0, 48.829, 311.342

■ 61, 48.829,
311.342

■ 71, 48.829,
311.342

■ 81, 48.829,
311.342

■ 91, 48.829,

311.342

■ 21, 48.829,
311.342

■ 21, 48.829,
311.342

■ 18, 55.086,
311.647

■ 24, 41.937,
310.888

■ 16, 60.268,
311.705

■ 27, 34.745,
310.360

■ 14, 64.893,
311.723

■ 31, 27.476,
309.808

■ 14, 65.229,
311.739

■ 34, 20.264,
309.264

■ 38, 13.185,
308.749

■ 41, 6.280, 308.267

■ 45, 0.432, 128.000

■ 48, 6.947, 127.466

■ 52, 13.265,
127.115

Harmonies

Complementary

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



21, 48.829, 311.342



41, 43.788, 125.116

Rectangle

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



21, 48.829, 311.342



21, 48.829, 1.342



21, 48.829, 131.342



21, 48.829, 181.342

Sweetspot

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



21, 48.829, 311.342



48, 17.896, 308.862



29, 23.415, 263.900



23, 12.053, 308.961



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



21, 48.829, 311.342



24, 70.720, 311.718



26, 49.621, 326.040



20, 3.829, 308.251



16, 70.507, 311.602



38, 122.113, 310.956

Inverse Universe

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



25, 37.177, 349.433



31, 51.138, 352.773



39, 50.028, 137.840



21, 3.176, 342.495



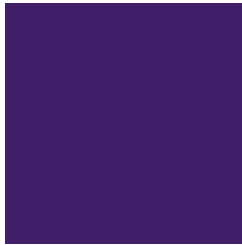
24, 48.350, 357.139



53, 82.591, 359.571

Previews

White Background



This preview shows how the CIELCh color 21, 48.829, 311.342 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 21, 48.829, 311.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

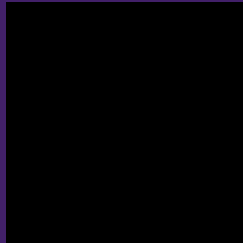
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 48.829, 311.342

Background



This preview shows how black text looks on a background with the CIELCh color 21, 48.829, 311.342.



This preview shows how white text looks on a background with the CIELCh color 21, 48.829, 311.342.

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, 48.829, 311.342

Protanopia

21, 38.083, 284.674

Deuteranopia

21, 27.736, 272.282



Tritanopia
21, 4.240, 340.791

Trichromacy



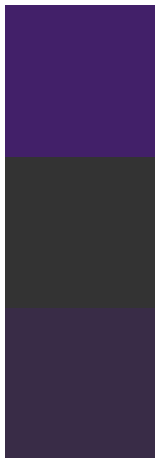
Original Color
21, 48.829, 311.342

Protanomaly
20, 41.930, 293.134

Deuteranomaly
20, 34.726, 288.961

Tritanomaly
21, 20.864, 313.641

Monochromacy



Original Color
21, 48.829, 311.342

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 19.135, 310.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 48.829, 311.342 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(66, 32, 105)` looks like.

```
.text, #text, p{  
    color:rgb(66, 32, 105)  
}
```

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(66, 32, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 32, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 48.829, 311.342 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(66, 32, 105) }
```

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

```
.border{ border-color:rgb(66, 32, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 32, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 32, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 32, 105);  
box-shadow:4px 4px 4px 4px rgb(66, 32,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 48.829, 311.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 32, 105) }
```

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

```
.background{ background-color: rgb(66, 32,  
105) }
```

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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