

Converting Colors

CIELCh(21, 51.829, 299.284)

Have a look what the booklet for
CIELCh(21, 51.829, 299.284)
contains.

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Color

CIELCh(21, 51.945, 299.403)

Conversions

Conversions Part 1

Format	Color
Hex	252876
RGB	37, 40, 118
RGB Percent	15%, 16%, 46%
CMY	0.8567, 0.8417, 0.5355
CMYK	0.69, 0.66, 0.00, 0.54
HSL	237°, 53%, 30%
HSV	237°, 69%, 46%
XYZ	4.8133, 3.2451, 17.6486
YIQ	47.9950, -26.8260, 23.6220

Conversions

Conversions Part 2

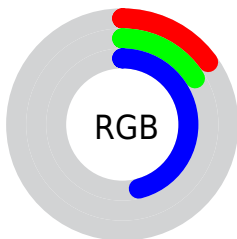
Format	Color
R_{YB}	37, 40, 118
Decimal	2435190
CIE _{Lab}	21.00, 25.50, -45.25
CIE _{LCh}	21, 51.945, 299.403
Yxy	3.2451, 0.1872, 0.1262
Android (android.graphics.Color)	4280625270 (0xFF252876)
YUV	47.9950, 34.5125, -9.6426
Hunter-Lab	18.0142, 16.1689, -45.4767

Details

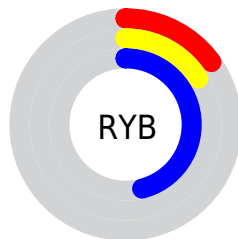
The CIELCh color **21, 51.945, 299.403** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **47, 42.862, 101.826**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 52.124, 299.774**, and **4, 48.279, 303.307** is the 20% darker color. If you saturate the color by 10%, you get **17, 60.000, 301.664**, and if you desaturate by 10%, it is **25, 43.717, 297.175**.

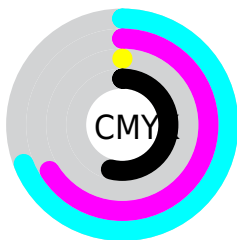
Distribution



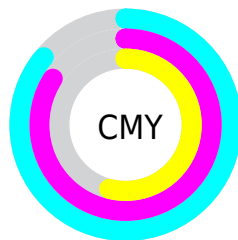
- Red (15%)
- Green (16%)
- Blue (46%)



- Red (15%)
- Yellow (16%)
- Blue (46%)



- Cyan (69%)
- Magenta (66%)
- Yellow (0%)
- Black (54%)





- Cyan (86%)
- Magenta (84%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 51.945, 299.403 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, 51.945, 299.403 by changing the saturation by 10% instead.

 21, 51.945,
299.403


 21, 51.945,
299.403

 100, 51.945,
299.403


 11, 51.945,
299.403


 41, 51.945,
299.403


 1, 51.945, 299.403

 51, 51.945,
299.403

 0, 51.945, 299.403

 61, 51.945,
299.403

 71, 51.945,
299.403

 81, 51.945,
299.403

 91, 51.945,

299.403

■ 21, 51.945,
299.403

■ 21, 51.945,
299.403

■ 17, 60.000,
301.664

■ 25, 43.717,
297.175

■ 15, 67.225,
303.716

■ 29, 35.638,
295.118

■ 12, 72.893,
305.224

■ 33, 27.830,
293.292

■ 12, 73.360,
305.339

■ 37, 20.319,
291.705

■ 42, 13.098,
290.342

■ 46, 6.147, 289.178

■ 50, 0.552, 108.066

■ 54, 7.019, 107.301

■ 59, 13.270,
106.565

Harmonies

Complementary

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



21, 51.945, 299.403



47, 42.862, 101.826

Rectangle

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



21, 51.945, 299.403



21, 51.945, 349.403



21, 51.945, 119.403



21, 51.945, 169.403

Sweetspot

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



21, 51.945, 299.404



52, 17.790, 290.645



45, 25.529, 191.098



25, 12.017, 290.926



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



21, 51.945, 299.404



22, 77.534, 302.915



24, 53.615, 310.932



22, 3.750, 289.165



13, 75.205, 305.374



32, 129.938, 305.900

Inverse Universe

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



28, 40.042, 26.005



33, 59.423, 31.538



46, 47.793, 124.518



23, 2.753, 16.075



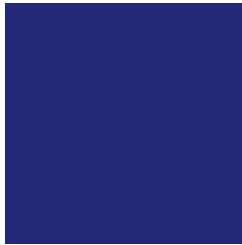
24, 57.750, 36.130



52, 101.194, 38.704

Previews

White Background



This preview shows how the CIE LCh color 21, 51.945, 299.403 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, 51.945, 299.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

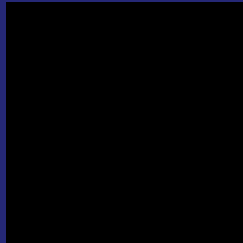
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 51.945, 299.403

Background



This preview shows how black text looks on a background with the CIELCh color 21, 51.945, 299.403.



This preview shows how white text looks on a background with the CIELCh color 21, 51.945, 299.403.

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, 51.919, 299.616

Protanopia

21, 36.845, 283.721

Deuteranopia

21, 26.603, 270.424



Tritanopia
21, 16.545, 206.152

Trichromacy



Original Color
21, 51.919, 299.616

Protanomaly
21, 42.495, 290.240

Deuteranomaly
21, 35.420, 285.246

Tritanomaly
20, 22.621, 268.957

Monochromacy



Original Color
21, 51.919, 299.616

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 19.791, 293.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 51.945, 299.403 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(37, 40, 118)` looks like.

```
.text, #text, p{  
    color:rgb(37, 40, 118)  
}
```

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(37, 40, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 40, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 51.945, 299.403 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(37, 40, 118) }
```

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

```
.border{ border-color:rgb(37, 40, 118) }
```

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

Here you see how a box with a 4 pixel rgb(37, 40, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 40, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 40, 118);  
box-shadow:4px 4px 4px 4px rgb(37, 40,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 51.945, 299.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 40, 118) }
```

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

```
.background{ background-color: rgb(37, 40,  
118) }
```

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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