

Converting Colors

CIELCh(21, 41.247, 287.307)

Have a look what the booklet for
CIELCh(21, 41.247, 287.307)
contains.

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Color

CIELCh(21, 41.247, 287.307)

Conversions

Conversions Part 1

Format	Color
Hex	01306D
RGB	1, 48, 109
RGB Percent	0%, 19%, 43%
CMY	0.9944, 0.8111, 0.5718
CMYK	0.99, 0.56, 0.00, 0.57
HSL	214°, 97%, 22%
HSV	214°, 99%, 43%
XYZ	3.8525, 3.2451, 14.9473
YIQ	40.9010, -47.5930, 9.0070

Conversions

Conversions Part 2

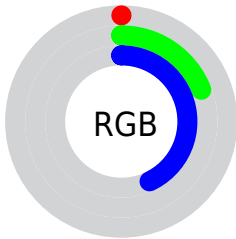
Format	Color
RYB	1, 34, 109
Decimal	77933
CIELab	21.00, 12.27, -39.38
CIELCh	21, 41.247, 287.307
Yxy	3.2451, 0.1748, 0.1472
Android (android.graphics.Color)	4278268013 (0xFF01306D)
YUV	40.9010, 33.5728, -34.9932
Hunter-Lab	18.0142, 6.6490, -36.5860

Details

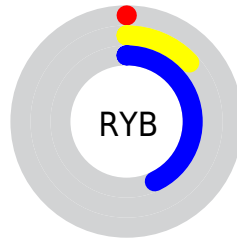
The CIELCh color **21, 41.247, 287.307** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **31, 43.841, 68.306**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 41.370, 287.471**, and **3, 41.859, 300.725** is the 20% darker color. If you saturate the color by 10%, you get **21, 41.838, 287.746**, and if you desaturate by 10%, it is **23, 36.837, 283.610**.

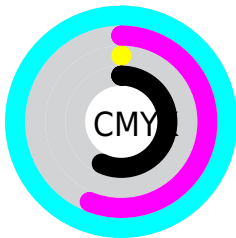
Distribution



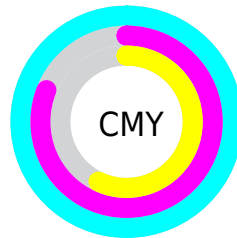
- Red (0%)
- Green (19%)
- Blue (43%)



- Red (0%)
- Yellow (13%)
- Blue (43%)



- Cyan (99%)
- Magenta (56%)
- Yellow (0%)
- Black (57%)



- Cyan (99%)
- Magenta (81%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 41.247, 287.307 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, 41.247, 287.307 by changing the saturation by 10% instead.

■ 21, 41.247,
287.307

■ 21, 41.247,
287.307

■ 100, 41.247,
287.307

■ 11, 41.247,
287.307

■ 41, 41.247,
287.307

■ 1, 41.247, 287.307

■ 51, 41.247,
287.307

■ 0, 41.247, 287.307

■ 61, 41.247,
287.307

■ 71, 41.247,
287.307

■ 81, 41.247,
287.307

■ 91, 41.247,

287.307

■ 21, 41.247,
287.307

■ 21, 41.247,
287.307

■ 21, 41.838,
287.746

■ 23, 36.837,
283.610

■ 26, 32.566,
279.852

■ 28, 28.378,
276.417

■ 30, 24.237,
273.366

■ 33, 20.113,
270.709

■ 36, 15.990,
268.421

■ 38, 11.861,
266.463

■ 41, 7.727, 264.793

■ 44, 3.593, 263.383

Harmonies

Complementary

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



21, 41.247, 287.307



31, 43.841, 68.306

Rectangle

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



21, 41.247, 287.307



21, 41.247, 337.307



21, 41.247, 107.307



21, 41.247, 157.307

Sweetspot

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



21, 41.247, 287.309



49, 15.453, 266.855



40, 43.781, 153.239



23, 10.469, 267.455



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



21, 41.247, 287.309



28, 52.206, 288.991



10, 70.513, 306.347



21, 2.285, 263.415



22, 44.389, 288.111



48, 81.150, 290.684

Inverse Universe

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



22, 44.911, 5.392



30, 54.826, 7.276



44, 51.643, 105.819



21, 2.972, 348.073



24, 47.568, 6.249



52, 81.962, 9.364

Previews

White Background



This preview shows how the CIE LCh color 21, 41.247, 287.307 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, 41.247, 287.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

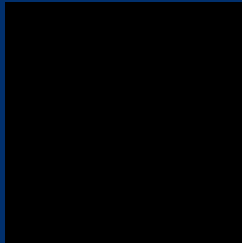
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 41.247, 287.307

Background



This preview shows how black text looks on a background with the CIELCh color 21, 41.247, 287.307.



This preview shows how white text looks on a background with the CIELCh color 21, 41.247, 287.307.

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, 41.247, 287.307

Protanopia

21, 38.083, 284.674

Deuteranopia

21, 26.612, 269.884

Trichromacy



Original Color
21, 41.247, 287.307

Protanomaly
21, 39.306, 285.701

Deuteranomaly
21, 31.839, 278.395

Monochromacy



Original Color
21, 41.247, 287.307

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 16.030, 272.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 41.247, 287.307 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(1, 48, 109)` looks like.

```
.text, #text, p{  
    color:rgb(1, 48, 109)  
}
```

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(1, 48, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 48, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 41.247, 287.307 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(1, 48, 109) }
```

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

```
.border{ border-color:rgb(1, 48, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 48, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 48, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 48, 109);  
box-shadow:4px 4px 4px 4px rgb(1, 48, 109)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 41.247, 287.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 48, 109) }
```

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

```
.background{ background-color: rgb(1, 48,  
109) }
```

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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