

Converting Colors

CIELCh(21, 43.112, 307.175)

Have a look what the booklet for
CIELCh(21, 43.112, 307.175)
contains.

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Color

CIELCh(21, 43.112, 307.175)

Conversions

Conversions Part 1

Format	Color
Hex	3B2666
RGB	59, 38, 102
RGB Percent	23%, 15%, 40%
CMY	0.7697, 0.8520, 0.6011
CMYK	0.42, 0.63, 0.00, 0.60
HSL	260°, 46%, 27%
HSV	260°, 63%, 40%
XYZ	4.8562, 3.2451, 12.8667
YIQ	51.5750, -8.0280, 24.3560

Conversions

Conversions Part 2

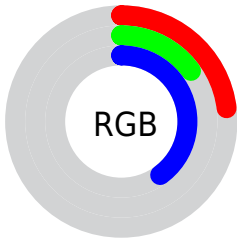
Format	Color
R_{YB}	59, 38, 102
Decimal	3876454
CIE Lab	21.00, 26.05, -34.35
CIE LCh	21, 43.112, 307.175
Yxy	3.2451, 0.2316, 0.1548
Android (android.graphics.Color)	4282066534 (0xFF3B2666)
YUV	51.5750, 24.8595, 6.5117
Hunter-Lab	18.0142, 16.5941, -29.7381

Details

The CIELCh color **21, 43.112, 307.175** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 37.854, 119.811**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 43.306, 307.287**, and **3, 37.753, 304.887** is the 20% darker color. If you saturate the color by 10%, you get **18, 50.008, 307.920**, and if you desaturate by 10%, it is **24, 35.974, 306.376**.

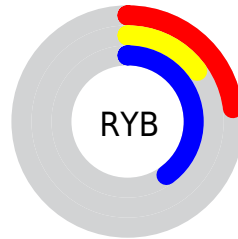
Distribution



Red (23%)

Green (15%)

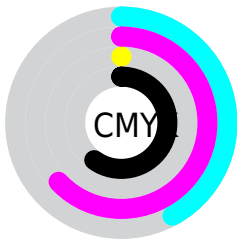
Blue (40%)



Red (23%)

Yellow (15%)

Blue (40%)

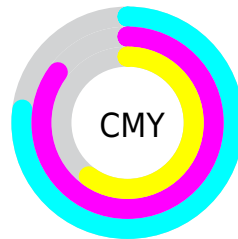


Cyan (42%)

Magenta (63%)

Yellow (0%)

Black (60%)



Cyan (77%)


Magenta (85%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 43.112, 307.175 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, 43.112, 307.175 by changing the saturation by 10% instead.


 21, 43.112,
307.175


 21, 43.112,
307.175


 100, 43.112,
307.175


 11, 43.112,
307.175


 41, 43.112,
307.175


 1, 43.112, 307.175

 51, 43.112,
307.175

 0, 43.112, 307.175

 61, 43.112,
307.175

 71, 43.112,
307.175

 81, 43.112,
307.175

 91, 43.112,

307.175

■ 21, 43.112,
307.175

■ 21, 43.112,
307.175

■ 18, 50.008,
307.920

■ 24, 35.974,
306.376

■ 15, 56.283,
308.510

■ 28, 28.824,
305.586

■ 13, 61.497,
308.849

■ 31, 21.788,
304.839

■ 11, 65.360,
309.262

■ 35, 14.928,
304.153

■ 38, 8.272, 303.534

■ 42, 1.827, 302.969

■ 46, 4.409, 122.512

■ 49, 10.443,
122.082

■ 53, 16.284,
121.709

Harmonies

Complementary

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



21, 43.112, 307.175



40, 37.854, 119.811

Rectangle

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



21, 43.112, 307.175



21, 43.112, 357.175



21, 43.112, 127.175



21, 43.112, 177.175

Sweetspot

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



21, 43.112, 307.176



47, 15.328, 303.939



33, 18.314, 242.834



22, 10.499, 304.070



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



21, 43.112, 307.176



23, 63.806, 308.199



25, 44.064, 321.699



19, 3.590, 303.306



13, 71.306, 309.122



34, 124.555, 308.545

Inverse Universe

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



26, 36.253, 340.471



32, 50.652, 342.150



38, 43.344, 135.694



20, 3.359, 335.977



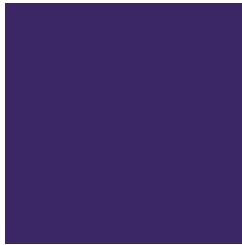
24, 50.746, 345.951



54, 87.002, 347.420

Previews

White Background



This preview shows how the CIE LCh color 21, 43.112, 307.175 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, 43.112, 307.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

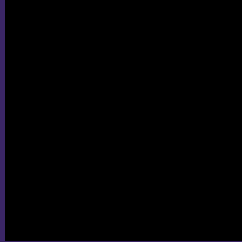
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 43.112, 307.175

Background



This preview shows how black text looks on a background with the CIELCh color 21, 43.112, 307.175.



This preview shows how white text looks on a background with the CIELCh color 21, 43.112, 307.175.

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, 43.112, 307.175

Protanopia

21, 37.463, 284.205

Deuteranopia

21, 27.736, 272.282



Tritanopia
21, 2.990, 264.240

Trichromacy



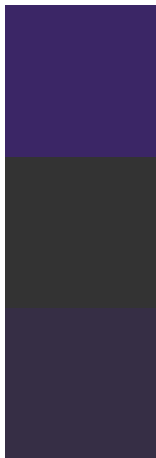
Original Color
21, 43.112, 307.175

Protanomaly
20, 39.272, 290.517

Deuteranomaly
20, 32.759, 285.806

Tritanomaly
21, 17.865, 301.729

Monochromacy



Original Color
21, 43.112, 307.175

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 16.012, 305.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 43.112, 307.175 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(59, 38, 102)` looks like.

```
.text, #text, p{  
    color:rgb(59, 38, 102)  
}
```

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(59, 38, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 38, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 43.112, 307.175 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(59, 38, 102) }
```

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

```
.border{ border-color:rgb(59, 38, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 38, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 38, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 38, 102);  
box-shadow:4px 4px 4px 4px rgb(59, 38,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 43.112, 307.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 38, 102) }
```

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

```
.background{ background-color: rgb(59, 38,  
102) }
```

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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