

Converting Colors

CIELCh(43, 21.539, 272.149)

Have a look what the booklet for
CIELCh(43, 21.539, 272.149)
contains.

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Color

CIELCh(43, 21.509, 272.086)

Conversions

Conversions Part 1

Format	Color
Hex	506789
RGB	80, 103, 137
RGB Percent	31%, 40%, 54%
CMY	0.6871, 0.5969, 0.4636
CMYK	0.42, 0.25, 0.00, 0.46
HSL	216°, 26%, 42%
HSV	216°, 42%, 54%
XYZ	12.6219, 13.1578, 25.4626
YIQ	99.9990, -24.6220, 5.6980

Conversions

Conversions Part 2

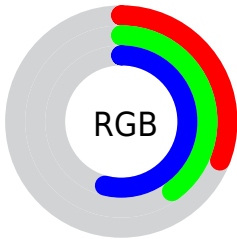
Format	Color
R_{YB}	80, 96, 137
Decimal	5269385
CIE Lab	43.00, 0.78, -21.49
CIE LCh	43, 21.509, 272.086
Yxy	13.1578, 0.2463, 0.2568
Android (android.graphics.Color)	4283459465 (0xFF506789)
YUV	99.9990, 18.2415, -17.5391
Hunter-Lab	36.2736, -1.3673, -16.2275

Details

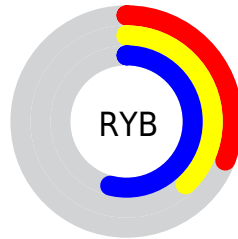
The CIELCh color **43, 21.509, 272.086** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **49, 22.569, 79.742**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 21.770, 271.898**, and **23, 21.706, 272.661** is the 20% darker color. If you saturate the color by 10%, you get **40, 26.739, 274.545**, and if you desaturate by 10%, it is **46, 16.307, 269.978**.

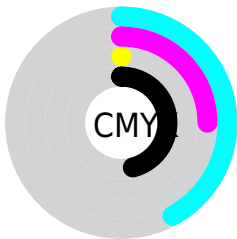
Distribution



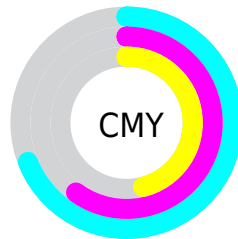
- Red (31%)
- Green (40%)
- Blue (54%)



- Red (31%)
- Yellow (38%)
- Blue (54%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (46%)



- Cyan (69%)
- Magenta (60%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 21.509, 272.086 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 43, 21.509, 272.086 by changing the saturation by 10% instead.

■ 43, 21.509,
272.086

■ 43, 21.509,
272.086

■ 100, 21.509,
272.086

■ 33, 21.509,
272.086

■ 63, 21.509,
272.086

■ 23, 21.509,
272.086

■ 73, 21.509,
272.086

■ 13, 21.509,
272.086

■ 83, 21.509,
272.086

■ 3, 21.509, 272.086

■ 93, 21.509,
272.086

■ 0, 21.509, 272.086

■ 43, 21.509,

■ 43, 21.509,

272.086

■ 40, 26.739,
274.545

■ 37, 32.017,
277.388

■ 33, 37.370,
280.624

■ 30, 42.835,
284.212

■ 28, 48.439,
288.047

■ 25, 53.234,
291.112

272.086

■ 46, 16.307,
269.978

■ 50, 11.129,
268.178

■ 53, 5.977, 266.650

■ 56, 0.855, 265.544

■ 60, 4.230, 84.086

■ 63, 9.271, 83.119

■ 67, 14.262, 82.257

■ 70, 19.198, 81.495

■ 73, 24.074, 80.818

Harmonies

Complementary

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



43, 21.509, 272.086



49, 22.569, 79.742

Rectangle

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



43, 21.509, 272.086



43, 21.509, 322.086



43, 21.509, 92.086



43, 21.509, 142.086

Sweetspot

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



43, 21.508, 272.085



68, 7.643, 266.735



53, 25.494, 164.265



35, 5.051, 266.888



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



43, 21.508, 272.085



52, 32.155, 274.399



37, 35.333, 298.047



27, 2.906, 266.309



25, 51.884, 290.984



1, 1.346, 265.090

Inverse Universe

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



41, 27.262, 353.700



50, 40.487, 355.194



55, 31.882, 110.096



27, 3.603, 349.934



27, 52.042, 9.751



0, 1.649, 349.187

Previews

White Background



This preview shows how the CIELCh color 43, 21.509, 272.086 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 × Fail

Black Background



This preview shows how the CIE LCh color 43, 21.509, 272.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

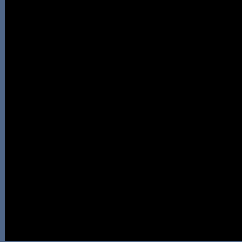
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

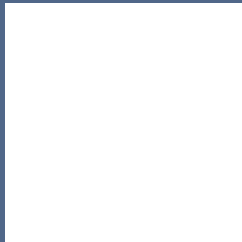
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 21.509, 272.086

Background



This preview shows how black text looks on a background with the CIELCh color 43, 21.509, 272.086.



This preview shows how white text looks on a background with the CIELCh color 43, 21.509, 272.086.

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


43, 21.509, 272.086

Protanopia

43, 21.166, 285.563

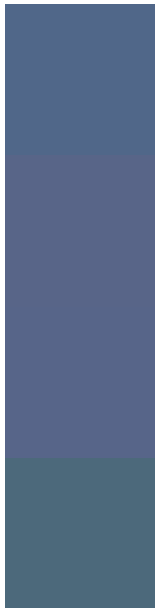
Deuteranopia

43, 22.384, 285.337



Tritanopia
43, 12.738, 220.515

Trichromacy



Original Color
43, 21.509, 272.086

Protanomaly
43, 21.366, 281.055

Deuteranomaly
43, 22.003, 280.678

Tritanomaly
43, 14.563, 247.059

Monochromacy



Original Color
43, 21.509, 272.086

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.795, 267.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 21.509, 272.086 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(80, 103, 137)` looks like.

```
.text, #text, p{  
    color:rgb(80, 103, 137)  
}
```

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(80, 103, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 103, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 21.509, 272.086 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(80, 103, 137) }
```

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

```
.border{ border-color:rgb(80, 103, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 103, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 103, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 103, 137);  
box-shadow:4px 4px 4px 4px rgb(80, 103,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 21.509, 272.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 103, 137) }
```

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

```
.background{ background-color: rgb(80, 103,  
137) }
```

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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