

Converting Colors

CIELCh(43, 43.018, 279.446)

Have a look what the booklet for
CIELCh(43, 43.018, 279.446)
contains.

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Color

CIELCh(43, 42.966, 279.313)

Conversions

Conversions Part 1

Format	Color
Hex	3466AC
RGB	52, 102, 172
RGB Percent	20%, 40%, 67%
CMY	0.7971, 0.6008, 0.3263
CMYK	0.70, 0.41, 0.00, 0.33
HSL	215°, 54%, 44%
HSV	215°, 70%, 67%
XYZ	13.5601, 13.1578, 40.7453
YIQ	95.0300, -52.2700, 11.1700

Conversions

Conversions Part 2

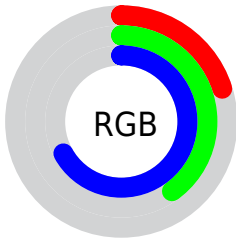
Format	Color
R_{YB}	52, 87, 172
Decimal	3434156
CIE _{Lab}	43.00, 6.95, -42.40
CIE _{LCh}	43, 42.966, 279.313
Yxy	13.1578, 0.2010, 0.1950
Android (android.graphics.Color)	4281624236 (0xFF3466AC)
YUV	95.0300, 37.9462, -37.7373
Hunter-Lab	36.2736, 3.2497, -41.2075

Details

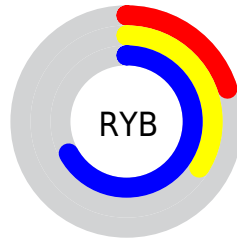
The CIELCh color $43, 42.966, 279.313$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $55, 46.493, 74.289$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 42.819, 279.043$, and $24, 41.904, 284.994$ is the 20% darker color. If you saturate the color by 10%, you get $39, 49.336, 283.005$, and if you desaturate by 10%, it is $47, 36.712, 276.005$.

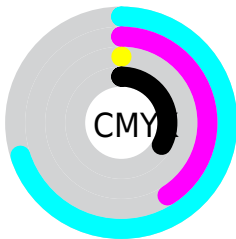
Distribution



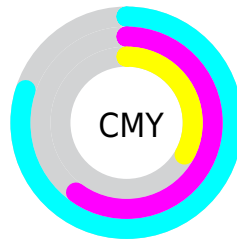
- Red (20%)
- Green (40%)
- Blue (67%)



- Red (20%)
- Yellow (34%)
- Blue (67%)



- Cyan (70%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)





- Cyan (80%)
- Magenta (60%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 42.966, 279.313 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, 42.966, 279.313 by changing the saturation by 10% instead.


 43, 42.966,
279.313


 43, 42.966,
279.313


 100, 42.966,
279.313


 33, 42.966,
279.313

 63, 42.966,
279.313


 23, 42.966,
279.313

 73, 42.966,
279.313

 13, 42.966,
279.313

 83, 42.966,
279.313

 3, 42.966, 279.313

 93, 42.966,
279.313

 0, 42.966, 279.313

 43, 42.966,

 43, 42.966,

279.313

■ 39, 49.336,
283.005

■ 36, 55.868,
286.971

■ 33, 62.577,
290.909

■ 33, 62.658,
290.952

279.313

■ 47, 36.712,
276.005

■ 50, 30.528,
273.113

■ 54, 24.377,
270.626

■ 58, 18.243,
268.504

■ 62, 12.121,
266.702

■ 66, 6.015, 265.182

■ 70, 0.064, 79.609

■ 74, 6.108, 82.634

■ 78, 12.106, 81.670

Harmonies

Complementary

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



43, 42.966, 279.313



55, 46.493, 74.289

Rectangle

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



43, 42.966, 279.313



43, 42.966, 329.313



43, 42.966, 99.313



43, 42.966, 149.313

Sweetspot

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



43, 42.965, 279.314



79, 15.913, 266.953



63, 48.571, 159.002



40, 10.761, 267.415



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



43, 42.965, 279.314



49, 64.692, 285.215



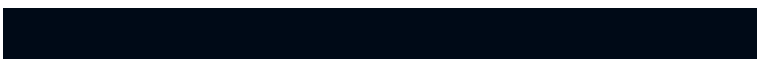
30, 74.736, 302.631



35, 3.472, 265.103



29, 56.192, 290.486



2, 7.910, 270.576

Inverse Universe

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



41, 52.679, 358.483



50, 72.649, 3.452



68, 60.390, 107.374



34, 4.401, 349.143



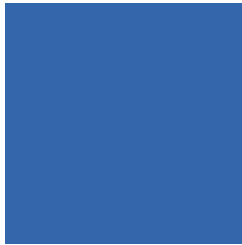
32, 57.015, 9.111



2, 8.751, 353.232

Previews

White Background



This preview shows how the CIE LCh color 43, 42.966, 279.313 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, 42.966, 279.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

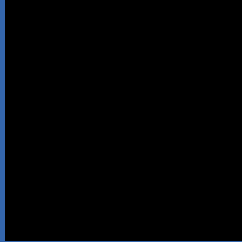
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 42.966, 279.313

Background



This preview shows how black text looks on a background with the CIELCh color 43, 42.966, 279.313.



This preview shows how white text looks on a background with the CIELCh color 43, 42.966, 279.313.

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, 42.966, 279.313

Protanopia

43, 42.288, 285.839

Deuteranopia

43, 43.043, 278.875



Tritanopia
43, 26.372, 208.673

Trichromacy



Original Color
43, 42.966, 279.313

Protanomaly
43, 42.505, 283.351

Deuteranomaly
43, 43.005, 279.092

Tritanomaly
42, 27.402, 241.213

Monochromacy



Original Color
43, 42.966, 279.313

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 16.790, 270.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 42.966, 279.313 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(52, 102, 172)` looks like.

```
.text, #text, p{  
    color:rgb(52, 102, 172)  
}
```

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(52, 102, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 102, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 42.966, 279.313 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(52, 102, 172) }
```

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

```
.border{ border-color:rgb(52, 102, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 102, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 102, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 102, 172);  
box-shadow:4px 4px 4px 4px rgb(52, 102,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 42.966, 279.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 102, 172) }
```

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

```
.background{ background-color: rgb(52, 102,  
172) }
```

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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