

Converting Colors

CIELCh(43, 36.156, 280.111)

Have a look what the booklet for
CIELCh(43, 36.156, 280.111)
contains.

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Color

CIELCh(43, 36.156, 280.111)

Conversions

Conversions Part 1

Format	Color
Hex	4465A0
RGB	68, 101, 160
RGB Percent	27%, 40%, 63%
CMY	0.7319, 0.6027, 0.3712
CMYK	0.57, 0.37, 0.00, 0.37
HSL	219°, 40%, 45%
HSV	219°, 57%, 63%
XYZ	13.4661, 13.1578, 35.2418
YIQ	97.8590, -38.6070, 11.3530

Conversions

Conversions Part 2

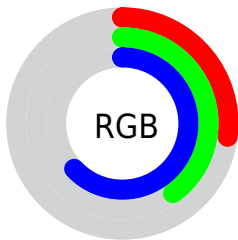
Format	Color
R_{YB}	68, 92, 160
Decimal	4482464
CIE _{Lab}	43.00, 6.35, -35.59
CIE _{LCh}	43, 36.156, 280.111
Yxy	13.1578, 0.2177, 0.2127
Android (android.graphics.Color)	4282672544 (0xFF4465A0)
YUV	97.8590, 30.6355, -26.1863
Hunter-Lab	36.2736, 2.7866, -32.2119

Details

The CIELCh color **43, 36.156, 280.111** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **55, 36.911, 81.478**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 35.892, 279.847**, and **23, 35.914, 280.667** is the 20% darker color. If you saturate the color by 10%, you get **39, 42.809, 283.154**, and if you desaturate by 10%, it is **47, 29.639, 277.446**.

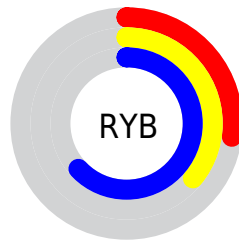
Distribution



Red (27%)

Green (40%)

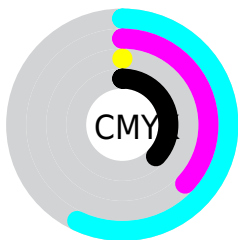
Blue (63%)



Red (27%)

Yellow (36%)

Blue (63%)

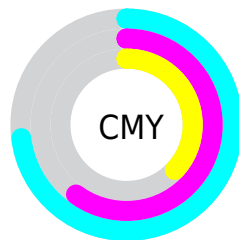


Cyan (57%)

Magenta (37%)

Yellow (0%)

Black (37%)



Cyan (73%)


Magenta (60%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 36.156, 280.111 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, 36.156, 280.111 by changing the saturation by 10% instead.


 43, 36.156,
280.111


 43, 36.156,
280.111


 100, 36.156,
280.111


 33, 36.156,
280.111

 63, 36.156,
280.111


 23, 36.156,
280.111

 73, 36.156,
280.111

 13, 36.156,
280.111

 83, 36.156,
280.111

 3, 36.156, 280.111

 93, 36.156,
280.111

 0, 36.156, 280.111

 43, 36.156,

 43, 36.156,

280.111

280.111

■ 39, 42.809,
283.154

■ 47, 29.639,
277.446

■ 36, 49.631,
286.542

■ 51, 23.231,
275.145

■ 32, 56.631,
290.180

■ 55, 16.910,
273.173

■ 29, 63.753,
293.847

■ 59, 10.668,
271.489

■ 28, 65.640,
294.728

■ 63, 4.502, 270.067

■ 67, 1.587, 88.631

■ 71, 7.596, 87.658

■ 75, 13.521, 86.729

■ 79, 19.359, 85.907

Harmonies

Complementary

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



43, 36.156, 280.111



55, 36.911, 81.478

Rectangle

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



43, 36.156, 280.111



43, 36.156, 330.111



43, 36.156, 100.111



43, 36.156, 150.111

Sweetspot

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



43, 36.155, 280.112



75, 12.961, 271.482



60, 36.881, 165.135



39, 8.661, 271.774



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



43, 36.155, 280.112



50, 54.574, 284.121



35, 57.042, 301.859



31, 3.418, 270.312



25, 59.671, 294.337



1, 4.537, 270.610

Inverse Universe

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



42, 41.571, 359.755



50, 60.248, 3.016



63, 48.879, 111.277



31, 3.936, 352.835



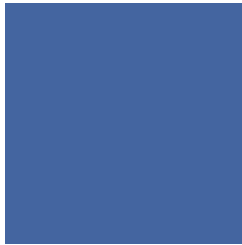
30, 55.427, 14.444



1, 5.016, 353.259

Previews

White Background



This preview shows how the CIE LCh color 43, 36.156, 280.111 looks on a white background.

Color Contrast Check

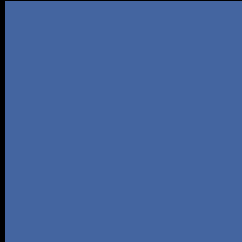
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.156, 280.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

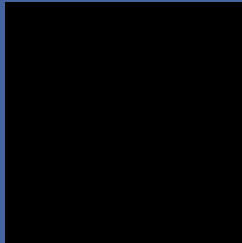
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

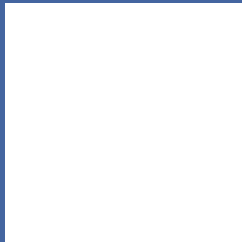
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 36.156, 280.111

Background



This preview shows how black text looks on a background with the CIELCh color 43, 36.156, 280.111.



This preview shows how white text looks on a background with the CIELCh color 43, 36.156, 280.111.

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, 36.156, 280.111

Protanopia

43, 36.283, 285.736

Deuteranopia

43, 36.156, 280.111



Tritanopia
43, 19.398, 213.785

Trichromacy



Original Color
43, 36.156, 280.111

Protanomaly
43, 35.843, 283.294

Deuteranomaly
43, 36.156, 280.111

Tritanomaly
43, 21.613, 247.496

Monochromacy



Original Color
43, 36.156, 280.111

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 13.877, 273.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 36.156, 280.111 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(68, 101, 160)` looks like.

```
.text, #text, p{  
    color:rgb(68, 101, 160)  
}
```

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(68, 101, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 101, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 36.156, 280.111 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(68, 101, 160) }
```

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

```
.border{ border-color:rgb(68, 101, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 101, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 101, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 101, 160);  
box-shadow:4px 4px 4px 4px rgb(68, 101,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 36.156, 280.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 101, 160) }
```

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

```
.background{ background-color: rgb(68, 101,  
160) }
```

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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