

Converting Colors

CIELCh(43, 45.495, 284.455)

Have a look what the booklet for
CIELCh(43, 45.495, 284.455)
contains.

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Color

CIELCh(43, 45.406, 284.283)

Conversions

Conversions Part 1

Format	Color
Hex	3F64AF
RGB	63, 100, 175
RGB Percent	25%, 39%, 69%
CMY	0.7549, 0.6094, 0.3155
CMYK	0.64, 0.43, 0.00, 0.32
HSL	220°, 47%, 46%
HSV	220°, 64%, 68%
XYZ	14.2326, 13.1578, 42.1198
YIQ	97.4870, -46.1270, 15.4810

Conversions

Conversions Part 2

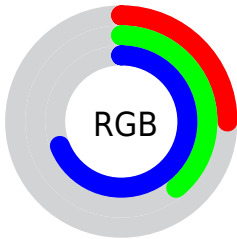
Format	Color
R_{YB}	63, 91, 175
Decimal	4154543
CIE _{Lab}	43.00, 11.20, -44.00
CIE _{LCh}	43, 45.406, 284.283
Yxy	13.1578, 0.2048, 0.1893
Android (android.graphics.Color)	4282344623 (0xFF3F64AF)
YUV	97.4870, 38.2139, -30.2451
Hunter-Lab	36.2736, 6.5586, -43.4542




Details

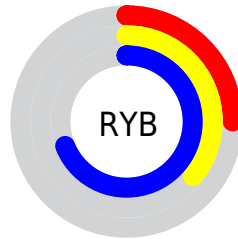
The CIELCh color **43, 45.406, 284.283** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **59, 44.917, 82.716**, and the grayscale version is **41, 0.006, 296.813**.




A 20% lighter version of the original color is **63, 45.607, 284.541**, and **24, 45.098, 287.566** is the 20% darker color. If you saturate the color by 10%, you get **39, 53.072, 287.527**, and if you desaturate by 10%, it is **47, 37.944, 281.387**.

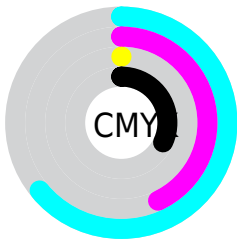
Distribution







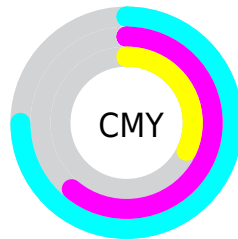
-  Red (25%)
-  Green (39%)
-  Blue (69%)






-  Red (25%)
-  Yellow (36%)
-  Blue (69%)



-  Cyan (64%)
-  Magenta (43%)
-  Yellow (0%)
-  Black (32%)





-  Cyan (75%)
-  Magenta (61%)
-  Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 45.406, 284.283 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, 45.406, 284.283 by changing the saturation by 10% instead.


 43, 45.406,
284.283

 43, 45.406,
284.283


 100, 45.406,
284.283


 33, 45.406,
284.283

 63, 45.406,
284.283


 23, 45.406,
284.283

 73, 45.406,
284.283

 13, 45.406,
284.283

 83, 45.406,
284.283

 3, 45.406, 284.283

 93, 45.406,
284.283

 0, 45.406, 284.283

 43, 45.406,

 43, 45.406,

284.283

■ 39, 53.072,
287.527

■ 35, 60.943,
291.029

■ 32, 68.929,
294.625

■ 30, 73.557,
296.571

284.283

■ 47, 37.944,
281.387

■ 52, 30.659,
278.856

■ 56, 23.521,
276.676

■ 60, 16.508,
274.809

■ 65, 9.610, 273.217

■ 69, 2.821, 271.895

■ 74, 3.861, 90.576

■ 78, 10.433, 89.583

■ 83, 16.897, 88.692

Harmonies

Complementary

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



43, 45.406, 284.283



59, 44.917, 82.716

Rectangle

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



43, 45.406, 284.283



43, 45.406, 334.283



43, 45.406, 104.283



43, 45.406, 154.283

Sweetspot

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



43, 45.405, 284.284



80, 15.991, 274.004



64, 41.878, 166.247



41, 11.118, 274.462



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



43, 45.405, 284.284



49, 68.523, 288.958



35, 68.934, 303.681



34, 3.800, 272.530



25, 65.109, 296.127



2, 8.519, 275.861

Inverse Universe

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



43, 48.926, 3.524



52, 69.464, 8.015



68, 57.779, 112.489



34, 4.187, 354.643



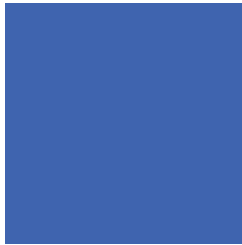
31, 58.122, 17.259



2, 8.420, 358.064

Previews

White Background



This preview shows how the CIE LCh color 43, 45.406, 284.283 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, 45.406, 284.283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

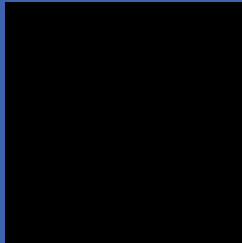
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 45.406, 284.283

Background



This preview shows how black text looks on a background with the CIELCh color 43, 45.406, 284.283.



This preview shows how white text looks on a background with the CIELCh color 43, 45.406, 284.283.

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, 45.406, 284.283

Protanopia

43, 45.279, 285.946

Deuteranopia

43, 44.319, 278.644



Tritanopia
43, 23.464, 212.040

Trichromacy



Original Color
43, 45.406, 284.283

Protanomaly
43, 45.342, 285.411

Deuteranomaly
43, 44.674, 280.539

Tritanomaly
43, 25.920, 248.780

Monochromacy



Original Color
43, 45.406, 284.283

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 16.924, 275.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 45.406, 284.283 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(63, 100, 175)` looks like.

```
.text, #text, p{  
    color:rgb(63, 100, 175)  
}
```

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(63, 100, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 100, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 45.406, 284.283 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(63, 100, 175) }
```

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

```
.border{ border-color:rgb(63, 100, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 100, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 100, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 100, 175);  
box-shadow:4px 4px 4px 4px rgb(63, 100,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 45.406, 284.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 100, 175) }
```

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

```
.background{ background-color: rgb(63, 100,  
175) }
```

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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