

Converting Colors

CIELCh(43, 58.370, 284.395)

Have a look what the booklet for
CIELCh(43, 58.370, 284.395)
contains.

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Color

CIELCh(43, 58.700, 284.669)

Conversions

Conversions Part 1

Format	Color
Hex	1663C4
RGB	22, 99, 196
RGB Percent	9%, 39%, 77%
CMY	0.9136, 0.6105, 0.2299
CMYK	0.89, 0.49, 0.00, 0.23
HSL	213°, 80%, 43%
HSV	213°, 89%, 77%
XYZ	14.8297, 13.1578, 54.2059
YIQ	87.0350, -77.0290, 13.8430

Conversions

Conversions Part 2

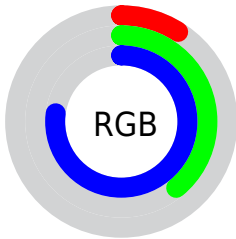
Format	Color
R_{YB}	22, 75, 196
Decimal	1467332
CIE _{Lab}	43.00, 14.86, -56.79
CIE _{LCh}	43, 58.700, 284.669
Yxy	13.1578, 0.1804, 0.1601
Android (android.graphics.Color)	4279657412 (0xFF1663C4)
YUV	87.0350, 53.7197, -57.0357
Hunter-Lab	36.2736, 9.4973, -63.2092

Details

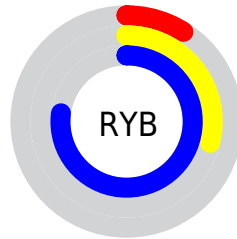
The CIELCh color **43, 58.700, 284.669** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **57, 63.971, 68.213**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 58.549, 284.742**, and **25, 56.610, 292.682** is the 20% darker color. If you saturate the color by 10%, you get **40, 65.701, 288.856**, and if you desaturate by 10%, it is **47, 51.897, 280.558**.

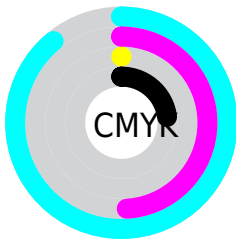
Distribution



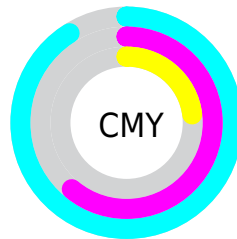
- Red (9%)
- Green (39%)
- Blue (77%)



- Red (9%)
- Yellow (29%)
- Blue (77%)



- Cyan (89%)
- Magenta (49%)
- Yellow (0%)
- Black (23%)



- Cyan (91%)
- Magenta (61%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 58.700, 284.669 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, 58.700, 284.669 by changing the saturation by 10% instead.


 43, 58.700,
284.669

 43, 58.700,
284.669

 100, 58.700,
284.669

 33, 58.700,
284.669

 63, 58.700,
284.669

 23, 58.700,
284.669

 73, 58.700,
284.669

 13, 58.700,
284.669

 83, 58.700,
284.669

 3, 58.700, 284.669

 93, 58.700,
284.669

 0, 58.700, 284.669

 43, 58.700,

 43, 58.700,

284.669

■ 40, 65.701,
288.856

■ 39, 66.572,
289.333

284.669

■ 47, 51.897,
280.558

■ 50, 45.246,
276.762

■ 54, 38.680,
273.384

■ 58, 32.141,
270.452

■ 63, 25.592,
267.944

■ 67, 19.018,
265.816

■ 71, 12.420,
264.017

■ 75, 5.810, 262.511

Harmonies

Complementary

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



43, 58.700, 284.669



57, 63.971, 68.213

Rectangle

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



43, 58.700, 284.669



43, 58.700, 334.669



43, 58.700, 104.669



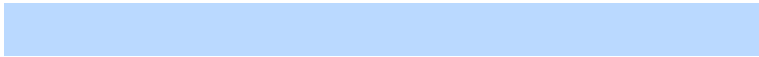
43, 58.700, 154.669

Sweetspot

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



43, 58.700, 284.671



86, 22.060, 265.553



70, 64.825, 154.191



44, 14.859, 266.235



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 58.700, 284.671



51, 82.376, 290.024



26, 103.353, 305.509



40, 3.792, 262.594



33, 57.215, 288.723



4, 14.939, 274.705

Inverse Universe

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



43, 67.192, 2.779



55, 84.478, 8.531



76, 77.138, 105.916



39, 5.013, 347.593



35, 60.458, 6.959



4, 17.359, 356.384

Previews

White Background



This preview shows how the CIE LCh color 43, 58.700, 284.669 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, 58.700, 284.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

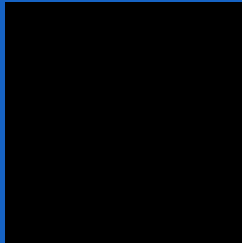
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 58.700, 284.669

Background



This preview shows how black text looks on a background with the CIELCh color 43, 58.700, 284.669.



This preview shows how white text looks on a background with the CIELCh color 43, 58.700, 284.669.

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, 58.689, 284.732

Protanopia

43, 58.371, 287.133

Deuteranopia

43, 47.924, 275.912



Tritanopia
43, 26.423, 207.271

Trichromacy



Original Color
43, 58.689, 284.732

Protanomaly
43, 58.521, 286.225

Deuteranomaly
43, 51.590, 279.276

Tritanomaly
42, 31.083, 251.408

Monochromacy



Original Color
43, 58.689, 284.732

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 23.443, 270.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 58.700, 284.669 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(22, 99, 196)` looks like.

```
.text, #text, p{  
    color:rgb(22, 99, 196)  
}
```

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(22, 99, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 99, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 58.700, 284.669 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(22, 99, 196) }
```

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

```
.border{ border-color:rgb(22, 99, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 99, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 99, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 99, 196);  
box-shadow:4px 4px 4px 4px rgb(22, 99,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 58.700, 284.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 99, 196) }
```

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

```
.background{ background-color: rgb(22, 99,  
196) }
```

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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