

Converting Colors

CIELCh(44, 62.812, 285.004)

Have a look what the booklet for
CIELCh(44, 62.812, 285.004)
contains.

CIELCh(44, 62.550, 284.900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(44, 62.550, 284.900)

Conversions

Conversions Part 1

Format	Color
Hex	0066CE
RGB	0, 102, 206
RGB Percent	0%, 40%, 81%
CMY	1.0000, 0.6016, 0.1941
CMYK	1.00, 0.51, 0.00, 0.19
HSL	210°, 100%, 40%
HSV	210°, 100%, 81%
XYZ	15.7625, 13.8382, 59.9195
YIQ	83.3580, -94.1760, 10.7200

Conversions

Conversions Part 2

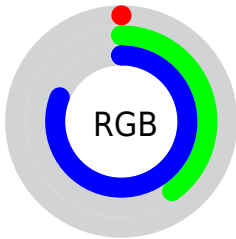
Format	Color
RYB	0, 68, 206
Decimal	26318
CIELab	44.00, 16.08, -60.45
CIELCh	44, 62.550, 284.900
Yxy	13.8382, 0.1761, 0.1546
Android (android.graphics.Color)	4278216398 (0xFF0066CE)
YUV	83.3580, 60.4625, -73.1050
Hunter-Lab	37.1997, 10.5355, -69.4615

Details

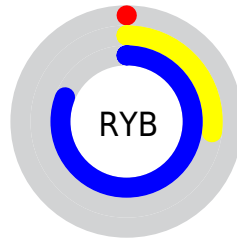
The CIELCh color **44, 62.550, 284.900** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **55, 72.383, 60.770**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 58.043, 283.187**, and **27, 60.471, 293.299** is the 20% darker color. If you saturate the color by 10%, you get **44, 62.535, 284.974**, and if you desaturate by 10%, it is **47, 56.223, 280.518**.

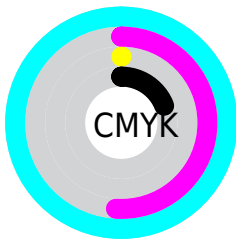
Distribution



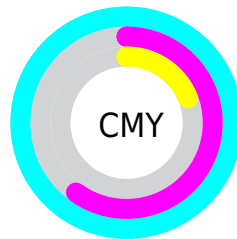
- Red (0%)
- Green (40%)
- Blue (81%)



- Red (0%)
- Yellow (27%)
- Blue (81%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (60%)
- Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 62.550, 284.900 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 44, 62.550, 284.900 by changing the saturation by 10% instead.

 44, 62.550,
284.900

 44, 62.550,
284.900


 100, 62.550,
284.900

 34, 62.550,
284.900

 64, 62.550,
284.900

 24, 62.550,
284.900

 74, 62.550,
284.900

 14, 62.550,
284.900

 84, 62.550,
284.900

 4, 62.550, 284.900

 94, 62.550,
284.900

 0, 62.550, 284.900

 44, 62.550,

 44, 62.550,

284.900

284.900

■ 44, 62.535,
284.974

■ 47, 56.223,
280.518

■ 51, 50.111,
276.138

■ 54, 44.092,
272.125

■ 58, 38.072,
268.579

■ 62, 31.982,
265.524

■ 66, 25.785,
262.931

■ 70, 19.473,
260.749

■ 74, 13.059,
258.920

Harmonies

Complementary

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



44, 62.550, 284.900



55, 72.383, 60.770

Rectangle

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



44, 62.550, 284.900



44, 62.550, 334.900



44, 62.550, 104.900



44, 62.550, 154.900

Sweetspot

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



44, 62.535, 284.974



85, 23.195, 260.824



73, 75.962, 148.965



43, 15.779, 261.715



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 62.535, 284.974



54, 74.519, 285.577



25, 113.730, 306.287



41, 3.701, 257.316



36, 52.486, 284.232



5, 15.255, 271.687

Inverse Universe

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



44, 71.930, 2.889



55, 84.570, 3.501



80, 82.364, 102.852



40, 5.291, 344.699



35, 61.372, 2.156



4, 19.863, 353.886

Previews

White Background



This preview shows how the CIE LCh color 44, 62.550, 284.900 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 44, 62.550, 284.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

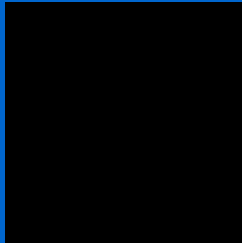
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 62.550, 284.900

Background



This preview shows how black text looks on a background with the CIELCh color 44, 62.550, 284.900.

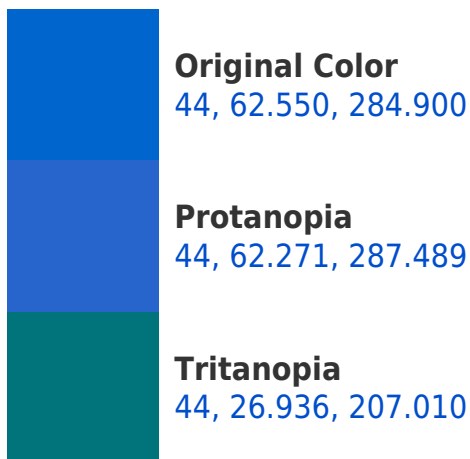


This preview shows how white text looks on a background with the CIELCh color 44, 62.550, 284.900.

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



Trichromacy



Original Color
44, 62.550, 284.900

Protanomaly
44, 62.409, 286.153

Tritanomaly
43, 32.319, 251.702

Monochromacy



Original Color
44, 62.550, 284.900

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 25.370, 267.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 62.550, 284.900 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(0, 102, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 206)  
}
```

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(0, 102, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 62.550, 284.900 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(0, 102, 206) }
```

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

```
.border{ border-color:rgb(0, 102, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 62.550, 284.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 206) }
```

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

```
.background{ background-color: rgb(0, 102,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor