

Converting Colors

CIELCh(44, 68.530, 287.655)

Have a look what the booklet for
CIELCh(44, 68.530, 287.655)
contains.

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Color

CIELCh(44, 68.808, 287.974)

Conversions

Conversions Part 1

Format	Color
Hex	0163D6
RGB	1, 99, 214
RGB Percent	0%, 39%, 84%
CMY	0.9950, 0.6110, 0.1598
CMYK	0.99, 0.54, 0.00, 0.16
HSL	212°, 99%, 42%
HSV	212°, 99%, 84%
XYZ	16.6656, 13.8382, 65.5761
YIQ	82.8080, -95.3230, 14.9890

Conversions

Conversions Part 2

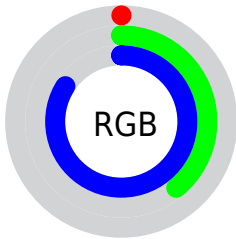
Format	Color
R_{YB}	1, 68, 214
Decimal	91094
CIE Lab	44.00, 21.23, -65.45
CIE LCh	44, 68.808, 287.974
Yxy	13.8382, 0.1735, 0.1440
Android (android.graphics.Color)	4278281174 (0xFF0163D6)
YUV	82.8080, 64.6777, -71.7456
Hunter-Lab	37.1997, 14.8692, -78.4772

Details

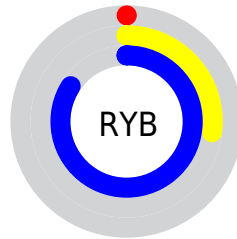
The CIELCh color **44, 68.808, 287.974** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **59, 73.504, 63.761**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 59.608, 285.121**, and **27, 66.634, 295.670** is the 20% darker color. If you saturate the color by 10%, you get **44, 69.243, 288.214**, and if you desaturate by 10%, it is **47, 61.595, 283.676**.

Distribution



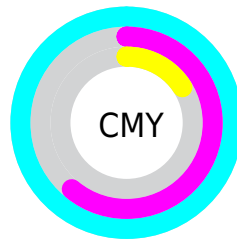
- Red (0%)
- Green (39%)
- Blue (84%)



- Red (0%)
- Yellow (27%)
- Blue (84%)



- Cyan (99%)
- Magenta (54%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (61%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 68.808, 287.974 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, 68.808, 287.974 by changing the saturation by 10% instead.


 44, 68.808,
287.974


 44, 68.808,
287.974


 100, 68.808,
287.974

 34, 68.808,
287.974

 64, 68.808,
287.974

 24, 68.808,
287.974

 74, 68.808,
287.974

 14, 68.808,
287.974


 84, 68.808,
287.974

 4, 68.808, 287.974

 94, 68.808,
287.974

 0, 68.808, 287.974

 44, 68.808,

 44, 68.808,

287.974

■ 44, 69.243,
288.214

287.974

■ 47, 61.595,
283.676

■ 51, 54.597,
279.442

■ 55, 47.747,
275.534

■ 59, 40.966,
272.059

■ 64, 34.184,
269.047

■ 68, 27.360,
266.478

■ 72, 20.481,
264.304

■ 77, 13.550,
262.472

Harmonies

Complementary

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



44, 68.808, 287.974



59, 73.504, 63.761

Rectangle

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



44, 68.808, 287.974



44, 68.808, 337.974



44, 68.808, 107.974



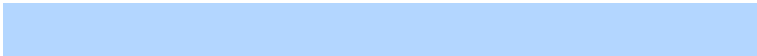
44, 68.808, 157.974

Sweetspot

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



44, 68.808, 287.976



84, 24.056, 264.482



76, 75.497, 150.765



43, 16.391, 265.376



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, 68.808, 287.976



52, 79.790, 288.666



27, 116.900, 306.324



43, 3.969, 260.943



35, 57.556, 287.497



6, 18.195, 276.454

Inverse Universe

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



46, 73.928, 6.104



55, 84.424, 6.892



83, 84.944, 104.933



42, 5.386, 346.640



36, 62.548, 5.555



5, 23.159, 356.922

Previews

White Background



This preview shows how the CIE LCh color 44, 68.808, 287.974 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, 68.808, 287.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

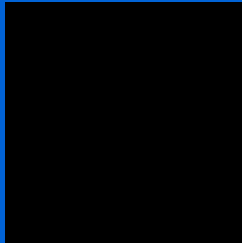
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 68.808, 287.974

Background



This preview shows how black text looks on a background with the CIELCh color 44, 68.808, 287.974.



This preview shows how white text looks on a background with the CIELCh color 44, 68.808, 287.974.

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

44, 68.802, 288.002

Protanopia

44, 67.081, 287.154

Deuteranopia

44, 47.875, 275.082



Tritanopia
44, 27.004, 205.648

Trichromacy



Original Color
44, 68.802, 288.002

Protanomaly
44, 67.632, 287.363

Deuteranomaly
44, 54.825, 280.466

Tritanomaly
43, 33.785, 255.632

Monochromacy



Original Color
44, 68.802, 288.002

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 27.441, 271.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 68.808, 287.974 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(1, 99, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 99, 214)  
}
```

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(1, 99, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 99, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 68.808, 287.974 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(1, 99, 214) }
```

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

```
.border{ border-color:rgb(1, 99, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 99, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 99, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 99, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 99, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 68.808, 287.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 99, 214) }
```

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

```
.background{ background-color: rgb(1, 99,  
214) }
```

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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