

Converting Colors

CIELCh(44, 51.146, 277.715)

Have a look what the booklet for
CIELCh(44, 51.146, 277.715)
contains.

CIELCh(44, 51.578, 278.135)	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>	27

Color

CIELCh(44, 51.578, 278.135)

Conversions

Conversions Part 1

Format	Color
Hex	0169BD
RGB	1, 105, 189
RGB Percent	0%, 41%, 74%
CMY	0.9959, 0.5874, 0.2579
CMYK	0.99, 0.44, 0.00, 0.26
HSL	207°, 99%, 37%
HSV	207°, 99%, 74%
XYZ	14.2981, 13.8382, 50.2015
YIQ	83.4800, -88.9480, 4.0760

Conversions

Conversions Part 2

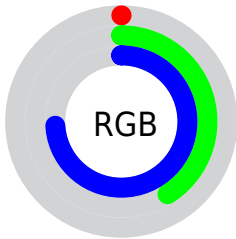
Format	Color
RYB	1, 68, 189
Decimal	92605
CIELab	44.00, 7.30, -51.06
CIELCh	44, 51.578, 278.135
Yxy	13.8382, 0.1825, 0.1766
Android (android.graphics.Color)	4278282685 (0xFF0169BD)
YUV	83.4800, 52.0214, -72.3350
Hunter-Lab	37.1997, 3.5087, -53.9728

Details

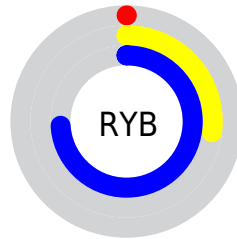
The CIELCh color **44, 51.578, 278.135** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **49, 69.530, 56.437**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 51.420, 278.089**, and **26, 49.537, 288.487** is the 20% darker color. If you saturate the color by 10%, you get **44, 51.851, 278.384**, and if you desaturate by 10%, it is **47, 46.808, 273.415**.

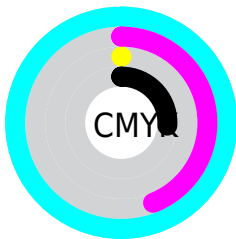
Distribution



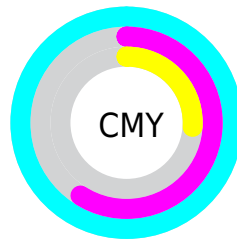
- Red (0%)
- Green (41%)
- Blue (74%)



- Red (0%)
- Yellow (27%)
- Blue (74%)



- Cyan (99%)
- Magenta (44%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (59%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 51.578, 278.135 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, 51.578, 278.135 by changing the saturation by 10% instead.


 44, 51.578,
278.135


 44, 51.578,
278.135


 100, 51.578,
278.135


 34, 51.578,
278.135

 64, 51.578,
278.135


 24, 51.578,
278.135

 74, 51.578,
278.135

 14, 51.578,
278.135

 84, 51.578,
278.135

 4, 51.578, 278.135

 94, 51.578,
278.135

 0, 51.578, 278.135

 44, 51.578,

 44, 51.578,

278.135

■ 44, 51.851,
278.384

278.135

■ 47, 46.808,
273.415

■ 50, 42.149,
268.890

■ 53, 37.455,
264.834

■ 56, 32.628,
261.315

■ 59, 27.607,
258.329

■ 63, 22.374,
255.830

■ 66, 16.936,
253.752

■ 70, 11.319,
252.032

Harmonies

Complementary

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



44, 51.578, 278.135



49, 69.530, 56.437

Rectangle

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



44, 51.578, 278.135



44, 51.578, 328.135



44, 51.578, 98.135



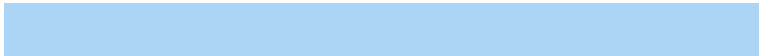
44, 51.578, 148.135

Sweetspot

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



44, 51.578, 278.137



83, 21.239, 253.949



67, 75.789, 146.109



42, 14.402, 254.794



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



44, 51.578, 278.137



56, 63.830, 279.212



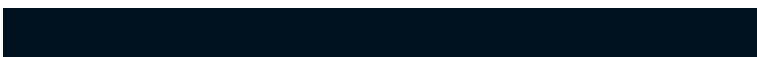
24, 103.646, 305.447



38, 3.325, 250.613



37, 44.836, 277.670



4, 10.950, 263.628

Inverse Universe

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



41, 68.535, 356.901



53, 83.033, 357.735



71, 73.696, 98.448



37, 5.165, 341.569



34, 60.162, 356.541



3, 14.404, 348.442

Previews

White Background



This preview shows how the CIE LCh color 44, 51.578, 278.135 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, 51.578, 278.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

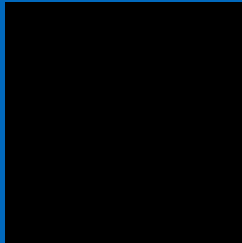
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 51.578, 278.135

Background



This preview shows how black text looks on a background with the CIELCh color 44, 51.578, 278.135.



This preview shows how white text looks on a background with the CIELCh color 44, 51.578, 278.135.

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





Tritanopia
44, 26.936, 207.010

Trichromacy



Original Color
44, 51.568, 278.179

Protanomaly
44, 50.986, 281.845

Deuteranomaly
44, 50.493, 277.118

Tritanomaly
43, 30.043, 244.272

Monochromacy



Original Color
44, 51.568, 278.179

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 21.454, 258.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 51.578, 278.135 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, 105, 189)` looks like.

```
.text, #text, p{  
    color:rgb(1, 105, 189)  
}
```

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, 105, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 105, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 51.578, 278.135 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, 105, 189) }
```

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

```
.border{ border-color:rgb(1, 105, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 105, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 105, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 105, 189);  
box-shadow:4px 4px 4px 4px rgb(1, 105,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 51.578, 278.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 105, 189) }
```

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

```
.background{ background-color: rgb(1, 105,  
189) }
```

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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