

Converting Colors

CIELCh(43, 31.690, 256.884)

Have a look what the booklet for
CIELCh(43, 31.690, 256.884)
contains.

CIELCh(43, 31.458, 256.265)	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(43, 31.458, 256.265)

Conversions

Conversions Part 1

Format	Color
Hex	1B6C98
RGB	27, 108, 152
RGB Percent	11%, 42%, 60%
CMY	0.8923, 0.5776, 0.4052
CMYK	0.82, 0.29, 0.00, 0.41
HSL	201°, 69%, 35%
HSV	201°, 82%, 59%
XYZ	11.4362, 13.1578, 31.5049
YIQ	88.7970, -62.4000, -3.4880

Conversions

Conversions Part 2

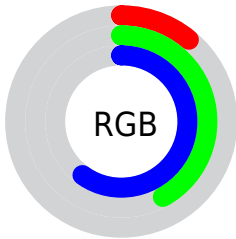
Format	Color
R _Y B	27, 76, 152
Decimal	1797272
CIE Lab	43.00, -7.47, -30.56
CIE LCh	43, 31.458, 256.265
Yxy	13.1578, 0.2039, 0.2345
Android (android.graphics.Color)	4279987352 (0xFF1B6C98)
YUV	88.7970, 31.1591, -54.1960
Hunter-Lab	36.2736, -7.2022, -26.1039

Details

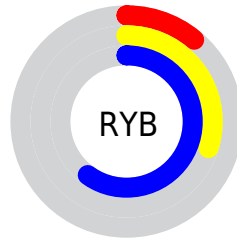
The CIELCh color **43, 31.458, 256.265** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **40, 50.727, 52.642**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 31.808, 256.764**, and **25, 28.359, 268.618** is the 20% darker color. If you saturate the color by 10%, you get **41, 34.057, 260.809**, and if you desaturate by 10%, it is **45, 28.657, 252.316**.

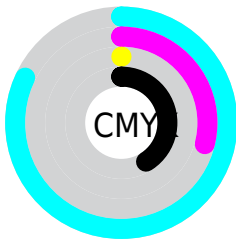
Distribution



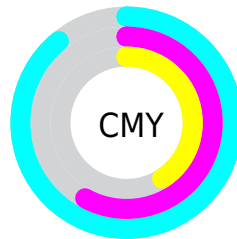
- Red (11%)
- Green (42%)
- Blue (60%)



- Red (11%)
- Yellow (30%)
- Blue (60%)



- Cyan (82%)
- Magenta (29%)
- Yellow (0%)
- Black (41%)





- Cyan (89%)
- Magenta (58%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 31.458, 256.265 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, 31.458, 256.265 by changing the saturation by 10% instead.


 43, 31.458,
256.265


 43, 31.458,
256.265


 100, 31.458,
256.265


 33, 31.458,
256.265

 63, 31.458,
256.265


 23, 31.458,
256.265

 73, 31.458,
256.265

 13, 31.458,
256.265

 83, 31.458,
256.265

 3, 31.458, 256.265

 93, 31.458,
256.265

 0, 31.458, 256.265

 43, 31.458,

 43, 31.458,

256.265

■ 41, 34.057,
260.809

■ 40, 36.165,
264.626

256.265

■ 45, 28.657,
252.316

■ 47, 25.572,
248.983

■ 50, 22.163,
246.224

■ 52, 18.430,
243.968

■ 54, 14.398,
242.137

■ 57, 10.105,
240.658

■ 60, 5.594, 239.479

■ 62, 0.909, 238.851

Harmonies

Complementary

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



43, 31.458, 256.265



40, 50.727, 52.642

Rectangle

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



43, 31.458, 256.265



43, 31.458, 306.265



43, 31.458, 76.265



43, 31.458, 126.265

Sweetspot

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



43, 31.457, 256.266



71, 14.132, 241.153



55, 60.383, 146.624



37, 9.648, 241.632



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



43, 31.457, 256.266



51, 43.692, 264.757



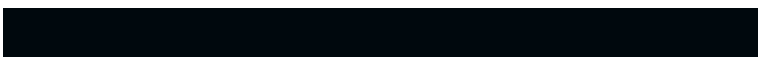
25, 67.952, 299.211



31, 2.689, 239.216



37, 34.004, 264.236



2, 2.956, 239.612

Inverse Universe

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



35, 57.903, 344.929



43, 73.264, 348.696



56, 54.592, 94.227



30, 4.632, 337.165



30, 57.545, 348.437



1, 4.928, 337.029

Previews

White Background



This preview shows how the CIELCh color 43, 31.458, 256.265 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, 31.458, 256.265 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, 31.458, 256.265

Background



This preview shows how black text looks on a background with the CIELCh color 43, 31.458, 256.265.

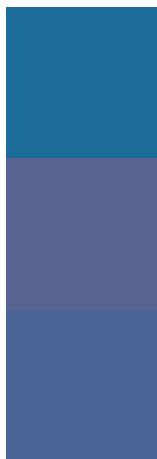


This preview shows how white text looks on a background with the CIELCh color 43, 31.458, 256.265.

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, 31.516, 256.096

Protanopia

43, 27.237, 284.945

Deuteranopia

43, 31.794, 280.707



Tritanopia
43, 26.372, 208.673

Trichromacy



Original Color
43, 31.516, 256.096

Protanomaly
43, 28.208, 270.087

Deuteranomaly
43, 31.889, 271.033

Tritanomaly
43, 26.199, 227.972

Monochromacy



Original Color
43, 31.516, 256.096

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 13.905, 243.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 31.458, 256.265 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(27, 108, 152)` looks like.

```
.text, #text, p{  
    color:rgb(27, 108, 152)  
}
```

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(27, 108, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 108, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 31.458, 256.265 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(27, 108, 152) }
```

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

```
.border{ border-color:rgb(27, 108, 152) }
```

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

Here you see how a box with a 4 pixel rgb(27, 108, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 108, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 108, 152);  
box-shadow:4px 4px 4px 4px rgb(27, 108,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 31.458, 256.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 108, 152) }
```

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

```
.background{ background-color: rgb(27, 108,  
152) }
```

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