

Converting Colors

CIELCh(41, 31.854, 253.711)

Have a look what the booklet for
CIELCh(41, 31.854, 253.711)
contains.

CIELCh(41, 31.780, 254.056)	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(41, 31.780, 254.056)

Conversions

Conversions Part 1

Format	Color
Hex	016792
RGB	1, 103, 146
RGB Percent	0%, 40%, 57%
CMY	0.9954, 0.5947, 0.4260
CMYK	0.99, 0.29, 0.00, 0.43
HSL	198°, 98%, 29%
HSV	198°, 99%, 57%
XYZ	10.1170, 11.8645, 29.1041
YIQ	77.4040, -74.5950, -8.2510

Conversions

Conversions Part 2

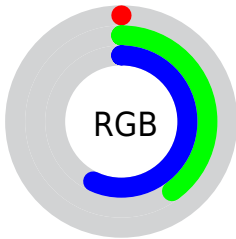
Format	Color
R_{YB}	1, 61, 146
Decimal	92050
CIE Lab	41.00, -8.73, -30.56
CIE LCh	41, 31.780, 254.056
Yxy	11.8645, 0.1980, 0.2322
Android (android.graphics.Color)	4278282130 (0xFF016792)
YUV	77.4040, 33.8178, -67.0063
Hunter-Lab	34.4449, -7.8504, -25.9854

Details

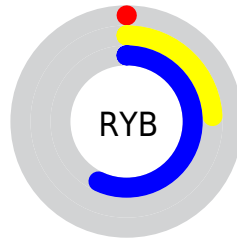
The CIELCh color **41, 31.780, 254.056** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 61.641, 47.806**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 31.640, 253.986**, and **22, 27.751, 270.203** is the 20% darker color. If you saturate the color by 10%, you get **41, 31.927, 254.406**, and if you desaturate by 10%, it is **43, 30.018, 249.559**.

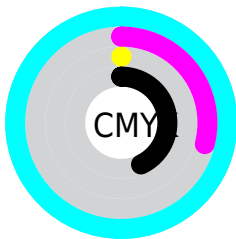
Distribution



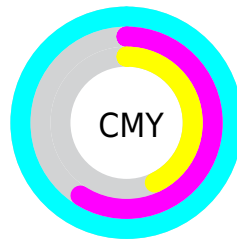
- Red (0%)
- Green (40%)
- Blue (57%)



- Red (0%)
- Yellow (24%)
- Blue (57%)



- Cyan (99%)
- Magenta (29%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (59%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 31.780, 254.056 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 41, 31.780, 254.056 by changing the saturation by 10% instead.

■ 41, 31.780,
254.056

■ 41, 31.780,
254.056

■ 100, 31.780,
254.056

■ 31, 31.780,
254.056

■ 61, 31.780,
254.056

■ 21, 31.780,
254.056

■ 71, 31.780,
254.056

■ 11, 31.780,
254.056

■ 81, 31.780,
254.056

■ 1, 31.780, 254.056

■ 91, 31.780,
254.056

■ 0, 31.780, 254.056

■ 41, 31.780,

■ 41, 31.780,

254.056

■ 41, 31.927,
254.406

254.056

■ 43, 30.018,
249.559

■ 44, 28.087,
245.497

■ 46, 25.809,
242.089

■ 48, 23.128,
239.295

■ 50, 20.034,
237.041

■ 52, 16.548,
235.241

■ 54, 12.714,
233.815

■ 56, 8.581, 232.696

Harmonies

Complementary

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



41, 31.780, 254.056



34, 61.641, 47.806

Rectangle

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



41, 31.780, 254.056



41, 31.780, 304.056



41, 31.780, 74.056



41, 31.780, 124.056

Sweetspot

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



41, 31.779, 254.057



69, 16.180, 233.999



53, 69.969, 141.161



35, 10.999, 234.524



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



41, 31.779, 254.057



53, 39.258, 255.560



21, 74.107, 301.166



30, 2.604, 231.850



38, 30.465, 254.101



2, 2.320, 231.114

Inverse Universe

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



32, 61.299, 344.088



43, 74.491, 344.666



50, 55.988, 86.874



29, 4.692, 334.711



30, 58.781, 344.106



1, 4.074, 334.135

Previews

White Background



This preview shows how the CIELCh color 41, 31.780, 254.056 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 41, 31.780, 254.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

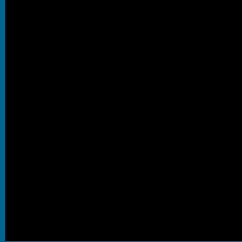
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 31.780, 254.056

Background



This preview shows how black text looks on a background with the CIELCh color 41, 31.780, 254.056.

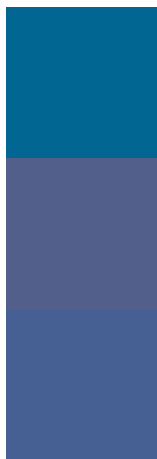


This preview shows how white text looks on a background with the CIELCh color 41, 31.780, 254.056.

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


41, 31.749, 254.140

Protanopia

41, 26.874, 284.885

Deuteranopia

41, 32.036, 281.101



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 31.749, 254.140

Protanomaly
40, 28.935, 267.631

Deuteranomaly
41, 31.539, 267.563

Tritanomaly
41, 25.838, 225.455

Monochromacy



Original Color
41, 31.749, 254.140

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 15.706, 237.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 31.780, 254.056 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, 103, 146)` looks like.

```
.text, #text, p{  
    color:rgb(1, 103, 146)  
}
```

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, 103, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 103, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 31.780, 254.056 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, 103, 146) }
```

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

```
.border{ border-color:rgb(1, 103, 146) }
```

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

Here you see how a box with a 4 pixel rgb(1, 103, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 103, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 103, 146);  
box-shadow:4px 4px 4px 4px rgb(1, 103,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 31.780, 254.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 103, 146) }
```

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

```
.background{ background-color: rgb(1, 103,  
146) }
```

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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