

Converting Colors

CIELCh(63, 46.018, 182.263)

Have a look what the booklet for
CIELCh(63, 46.018, 182.263)
contains.

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Color

CIELCh(64, 41.591, 181.095)

Conversions

Conversions Part 1

Format	Color
Hex	06AE9B
RGB	6, 174, 155
RGB Percent	2%, 68%, 61%
CMY	0.9778, 0.3164, 0.3912
CMYK	0.97, 0.00, 0.11, 0.32
HSL	173°, 94%, 35%
HSV	173°, 97%, 68%
XYZ	21.2034, 32.8017, 36.3364
YIQ	121.6020, -94.0290, -41.5250

Conversions

Conversions Part 2

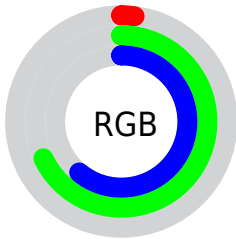
Format	Color
RYB	6, 95, 174
Decimal	437915
CIELab	64.00, -41.58, -0.79
CIELCh	64, 41.591, 181.095
Yxy	32.8017, 0.2347, 0.3631
Android (android.graphics.Color)	4278627995 (0xFF06AE9B)
YUV	121.6020, 16.4652, -101.3830
Hunter-Lab	57.2727, -34.1433, 2.4747

Details

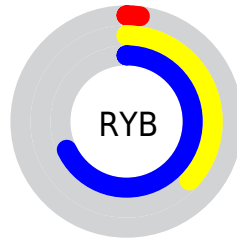
The CIELCh color **64, 41.591, 181.095** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 71.990, 33.674**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 41.558, 181.045**, and **45, 33.050, 177.913** is the 20% darker color. If you saturate the color by 10%, you get **64, 41.978, 180.697**, and if you desaturate by 10%, it is **64, 40.225, 182.313**.

Distribution



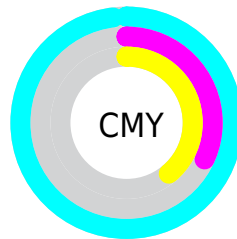
- Red (2%)
- Green (68%)
- Blue (61%)



- Red (2%)
- Yellow (37%)
- Blue (68%)



- Cyan (97%)
- Magenta (0%)
- Yellow (11%)
- Black (32%)





- Cyan (98%)
- Magenta (32%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 41.591, 181.095 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 64, 41.591, 181.095 by changing the saturation by 10% instead.

 64, 41.591,
181.095


 64, 41.591,
181.095


 100, 41.591,
181.095


 54, 41.591,
181.095


 84, 41.591,
181.095

 44, 41.591,
181.095

 94, 41.591,
181.095

 34, 41.591,
181.095

 24, 41.591,
181.095

 14, 41.591,
181.095

 4, 41.591, 181.095

 0, 41.591, 181.095

■ 64, 41.591,
181.095

■ 64, 41.591,
181.095

■ 64, 41.978,
180.697

■ 64, 40.225,
182.313

■ 64, 38.163,
183.430

■ 65, 35.325,
184.457

■ 65, 31.708,
185.412

■ 66, 27.357,
186.312

■ 67, 22.351,
187.172

■ 68, 16.790,
188.006

■ 69, 10.781,

188.828

■ 70, 4.430, 189.680

Harmonies

Complementary

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



64, 41.591, 181.095



36, 71.990, 33.674

Rectangle

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



64, 41.591, 181.095



64, 41.591, 231.095



64, 41.591, 1.095



64, 41.591, 51.095

Sweetspot

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



64, 41.591, 181.094



86, 22.375, 187.778



62, 88.414, 135.462



45, 15.275, 187.429



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 41.591, 181.094



81, 51.245, 180.452



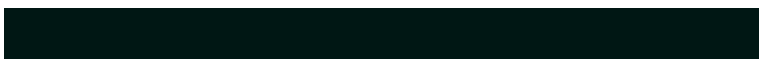
44, 41.585, 268.211



36, 3.682, 189.451



56, 37.610, 180.860



6, 8.033, 186.353

Inverse Universe

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



36, 71.990, 33.674



47, 90.742, 35.784



43, 65.835, 52.643



34, 3.854, 10.806



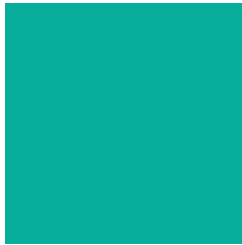
31, 65.784, 34.361



2, 7.885, 11.786

Previews

White Background



This preview shows how the CIELCh color 64, 41.591, 181.095 looks on a white background.

Color Contrast Check

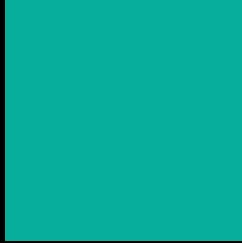
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 41.591, 181.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

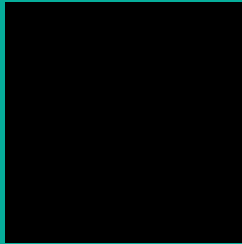
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 41.591, 181.095

Background



This preview shows how black text looks on a background with the CIELCh color 64, 41.591, 181.095.

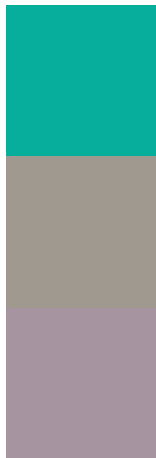


This preview shows how white text looks on a background with the CIELCh color 64, 41.591, 181.095.

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
64, 41.517, 181.105

Protanopia
63, 5.527, 84.208

Deuteranopia
63, 9.370, 334.702



Tritanopia
64, 32.843, 210.823

Trichromacy



Original Color
64, 41.517, 181.105



Protanomaly
62, 21.986, 178.004



Deuteranomaly
62, 17.337, 199.768



Tritanomaly
64, 35.425, 198.374

Monochromacy



Original Color
64, 41.517, 181.105



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 21.681, 186.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 41.591, 181.095 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(6, 174, 155)` looks like.

```
.text, #text, p{  
    color:rgb(6, 174, 155)  
}
```

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(6, 174, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 174, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 41.591, 181.095 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(6, 174, 155) }
```

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

```
.border{ border-color:rgb(6, 174, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 174, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 174, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 174, 155);  
box-shadow:4px 4px 4px 4px rgb(6, 174,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 41.591, 181.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 174, 155) }
```

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

```
.background{ background-color: rgb(6, 174,  
155) }
```

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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