

Converting Colors

CIELCh(40, 24.743, 204.527)

Have a look what the booklet for
CIELCh(40, 24.743, 204.527)
contains.

CIELCh(40, 24.811, 203.755)	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(40, 24.811, 203.755)

Conversions

Conversions Part 1

Format	Color
Hex	09696E
RGB	9, 105, 110
RGB Percent	4%, 41%, 43%
CMY	0.9662, 0.5888, 0.5692
CMYK	0.92, 0.05, 0.00, 0.57
HSL	183°, 85%, 23%
HSV	183°, 92%, 43%
XYZ	7.9506, 11.2510, 16.4621
YIQ	76.8660, -58.8210, -18.7970

Conversions

Conversions Part 2

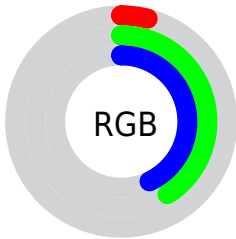
Format	Color
R_{YB}	9, 58, 110
Decimal	616814
CIE _{Lab}	40.00, -22.71, -9.99
CIE _{LCh}	40, 24.811, 203.755
Yxy	11.2510, 0.2229, 0.3155
Android (android.graphics.Color)	4278806894 (0xFF09696E)
YUV	76.8660, 16.3351, -59.5185
Hunter-Lab	33.5425, -16.3895, -5.6188

Details

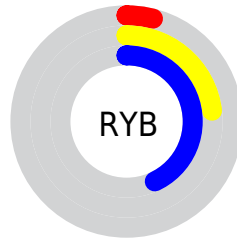
The CIELCh color **40, 24.811, 203.755** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 50.111, 36.848**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 24.871, 203.865**, and **21, 16.672, 208.493** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.301, 204.171**, and if you desaturate by 10%, it is **40, 24.010, 203.264**.

Distribution



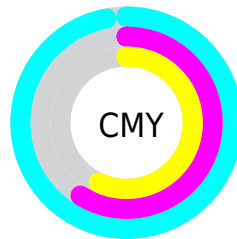
- Red (4%)
- Green (41%)
- Blue (43%)



- Red (4%)
- Yellow (23%)
- Blue (43%)



- Cyan (92%)
- Magenta (5%)
- Yellow (0%)
- Black (57%)




- Cyan (97%)
- Magenta (59%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.811, 203.755 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 40, 24.811, 203.755 by changing the saturation by 10% instead.

 40, 24.811,
203.755


 40, 24.811,
203.755


 100, 24.811,
203.755


 30, 24.811,
203.755

 60, 24.811,
203.755


 20, 24.811,
203.755

 70, 24.811,
203.755

 10, 24.811,
203.755

 80, 24.811,
203.755

 0, 24.811, 203.755

 90, 24.811,
203.755

 40, 24.811,

 40, 24.811,

203.755

■ 40, 25.301,
204.171

203.755

■ 40, 24.010,
203.264

■ 41, 22.706,
202.924

■ 41, 20.879,
202.725

■ 42, 18.544,
202.653

■ 43, 15.737,
202.694

■ 43, 12.510,
202.834

■ 44, 8.922, 203.063

■ 45, 5.037, 203.380

Harmonies

Complementary

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



40, 24.811, 203.755



22, 50.111, 36.848

Rectangle

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



40, 24.811, 203.755



40, 24.811, 253.755



40, 24.811, 23.755



40, 24.811, 73.755

Sweetspot

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



40, 24.811, 203.754



56, 13.678, 202.903



40, 61.417, 137.014



28, 9.265, 202.836



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 24.811, 203.754



51, 30.508, 204.395



24, 36.307, 282.022



23, 2.390, 203.505



43, 26.907, 204.251



85, 45.805, 204.734

Inverse Universe

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



25, 58.125, 329.984



33, 72.254, 330.254



31, 41.570, 66.427



22, 4.432, 326.243



27, 63.704, 330.218



58, 108.566, 330.338

Previews

White Background



This preview shows how the CIELCh color 40, 24.811, 203.755 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 CIELCh color 40, 24.811, 203.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

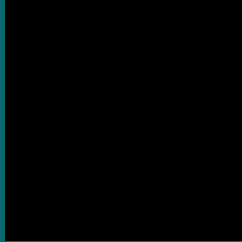
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.811, 203.755

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.811, 203.755.



This preview shows how white text looks on a background with the CIELCh color 40, 24.811, 203.755.

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
40, 24.811, 203.755

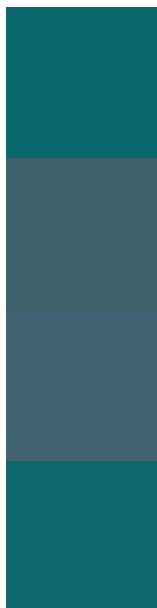
Protanopia
40, 5.497, 291.027

Deuteranopia
40, 12.867, 295.555



Tritanopia
40, 23.943, 210.216

Trichromacy



Original Color
40, 24.811, 203.755

Protanomaly
39, 13.370, 219.667

Deuteranomaly
39, 14.693, 237.233

Tritanomaly
40, 24.139, 208.556

Monochromacy



Original Color
40, 24.811, 203.755

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 13.082, 203.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.811, 203.755 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(9, 105, 110)` looks like.

```
.text, #text, p{  
    color:rgb(9, 105, 110)  
}
```

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(9, 105, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 105, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.811, 203.755 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(9, 105, 110) }
```

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

```
.border{ border-color:rgb(9, 105, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 105, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 105, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 105, 110);  
box-shadow:4px 4px 4px 4px rgb(9, 105,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.811, 203.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 105, 110) }
```

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

```
.background{ background-color: rgb(9, 105,  
110) }
```

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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