

Converting Colors

CIELCh(40, 23.886, 189.037)

Have a look what the booklet for
CIELCh(40, 23.886, 189.037)
contains.

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Color

CIELCh(40, 23.944, 189.194)

Conversions

Conversions Part 1

Format	Color
Hex	1E6964
RGB	30, 105, 100
RGB Percent	12%, 41%, 39%
CMY	0.8834, 0.5890, 0.6086
CMYK	0.72, 0.00, 0.05, 0.59
HSL	176°, 56%, 26%
HSV	176°, 72%, 41%
XYZ	7.8498, 11.2510, 13.7651
YIQ	82.0050, -43.0950, -17.4550

Conversions

Conversions Part 2

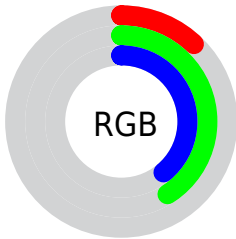
Format	Color
R_{YB}	30, 69, 105
Decimal	1993060
CIE _{Lab}	40.00, -23.64, -3.83
CIE _{LCh}	40, 23.944, 189.194
Yxy	11.2510, 0.2388, 0.3423
Android (android.graphics.Color)	4280183140 (0xFF1E6964)
YUV	82.0050, 8.8715, -45.6084
Hunter-Lab	33.5425, -16.9256, -0.8515

Details

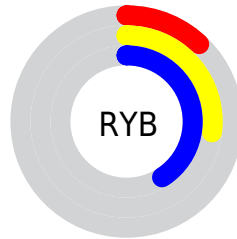
The CIELCh color **40, 23.944, 189.194** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 37.225, 25.065**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 24.119, 189.115**, and **21, 17.927, 189.653** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.573, 188.499**, and if you desaturate by 10%, it is **40, 21.815, 189.862**.

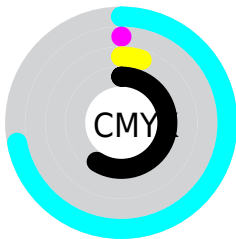
Distribution



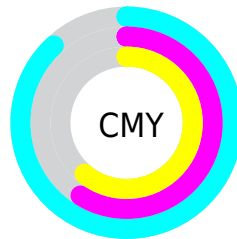
- Red (12%)
- Green (41%)
- Blue (39%)



- Red (12%)
- Yellow (27%)
- Blue (41%)



- Cyan (72%)
- Magenta (0%)
- Yellow (5%)
- Black (59%)



- Cyan (88%)
- Magenta (59%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 23.944, 189.194 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, 23.944, 189.194 by changing the saturation by 10% instead.


 40, 23.944,
189.194


 40, 23.944,
189.194


 100, 23.944,
189.194


 30, 23.944,
189.194

 60, 23.944,
189.194


 20, 23.944,
189.194

 70, 23.944,
189.194

 10, 23.944,
189.194

 80, 23.944,
189.194

 0, 23.944, 189.194

 90, 23.944,
189.194

 40, 23.944,

 40, 23.944,

189.194

189.194

■ 40, 25.573,
188.499

■ 40, 21.815,
189.862

■ 40, 26.715,
187.770

■ 41, 19.204,
190.519

■ 39, 27.527,
187.167

■ 41, 16.153,
191.172

■ 42, 12.715,
191.828

■ 43, 8.951, 192.493

■ 43, 4.926, 193.182

■ 44, 0.700, 194.260

■ 45, 3.672, 14.349

■ 46, 8.142, 15.067

Harmonies

Complementary

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



40, 23.944, 189.194



24, 37.225, 25.065

Rectangle

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



40, 23.944, 189.194



40, 23.944, 239.194



40, 23.944, 9.194



40, 23.944, 59.194

Sweetspot

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



40, 23.944, 189.193



54, 10.713, 192.496



39, 50.901, 137.368



28, 7.269, 192.364



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 23.944, 189.193



51, 31.657, 188.014



29, 23.451, 262.547



22, 2.437, 193.376



44, 29.844, 187.056



87, 51.552, 186.539

Inverse Universe

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



24, 37.225, 25.065



29, 54.879, 31.092



31, 31.331, 60.610



21, 2.554, 14.454



23, 55.235, 34.910



51, 98.744, 38.019

Previews

White Background



This preview shows how the CIELCh color 40, 23.944, 189.194 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, 23.944, 189.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

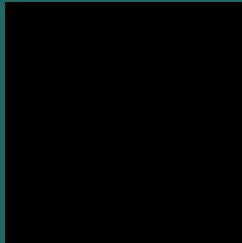
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 23.944, 189.194

Background



This preview shows how black text looks on a background with the CIELCh color 40, 23.944, 189.194.



This preview shows how white text looks on a background with the CIELCh color 40, 23.944, 189.194.

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, 23.944, 189.194

Protanopia

40, 1.267, 19.324

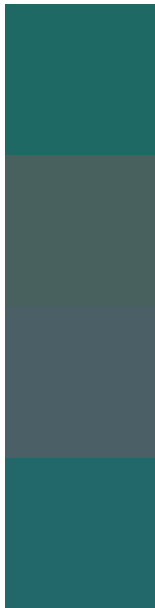
Deuteranopia

40, 8.065, 315.111



Tritanopia
40, 20.810, 210.827

Trichromacy



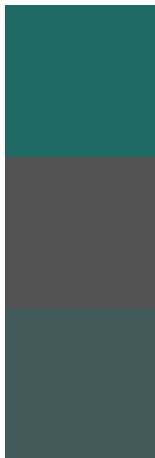
Original Color
40, 23.944, 189.194

Protanomaly
39, 9.947, 191.053

Deuteranomaly
39, 9.083, 222.443

Tritanomaly
40, 21.793, 201.762

Monochromacy



Original Color
40, 23.944, 189.194

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 10.739, 191.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 23.944, 189.194 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(30, 105, 100)` looks like.

```
.text, #text, p{  
    color:rgb(30, 105, 100)  
}
```

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(30, 105, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 105, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 23.944, 189.194 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(30, 105, 100) }
```

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

```
.border{ border-color:rgb(30, 105, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 105, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 105, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 105, 100);  
box-shadow:4px 4px 4px 4px rgb(30, 105,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 23.944, 189.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 105, 100) }
```

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

```
.background{ background-color: rgb(30, 105,  
100) }
```

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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