

Converting Colors

CIELCh(40, 23.302, 227.610)

Have a look what the booklet for
CIELCh(40, 23.302, 227.610)
contains.

CIELCh(40, 23.346, 227.386)	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, 23.346, 227.386)

Conversions

Conversions Part 1

Format	Color
Hex	1A677A
RGB	26, 103, 122
RGB Percent	10%, 40%, 48%
CMY	0.8999, 0.5973, 0.5228
CMYK	0.79, 0.16, 0.00, 0.52
HSL	192°, 65%, 29%
HSV	192°, 79%, 48%
XYZ	8.7275, 11.2510, 20.0229
YIQ	82.1430, -51.9910, -10.4150

Conversions

Conversions Part 2

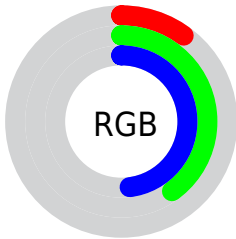
Format	Color
R_{YB}	26, 69, 122
Decimal	1730426
CIE _{Lab}	40.00, -15.81, -17.18
CIE _{LCh}	40, 23.346, 227.386
Yxy	11.2510, 0.2182, 0.2813
Android (android.graphics.Color)	4279920506 (0xFF1A677A)
YUV	82.1430, 19.6495, -49.2374
Hunter-Lab	33.5425, -12.2551, -11.9130

Details

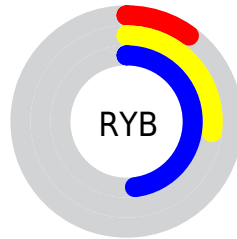
The CIELCh color **40, 23.346, 227.386** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 43.653, 41.773**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 23.163, 227.287**, and **21, 17.913, 237.779** is the 20% darker color. If you saturate the color by 10%, you get **39, 24.428, 230.106**, and if you desaturate by 10%, it is **41, 21.802, 225.198**.

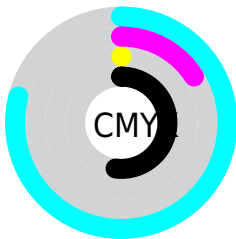
Distribution



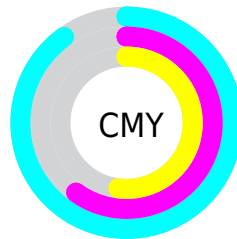
- Red (10%)
- Green (40%)
- Blue (48%)



- Red (10%)
- Yellow (27%)
- Blue (48%)



- Cyan (79%)
- Magenta (16%)
- Yellow (0%)
- Black (52%)




- Cyan (90%)
- Magenta (60%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 23.346, 227.386 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, 23.346, 227.386 by changing the saturation by 10% instead.


 40, 23.346,
227.386


 40, 23.346,
227.386


 100, 23.346,
227.386


 30, 23.346,
227.386

 60, 23.346,
227.386


 20, 23.346,
227.386

 70, 23.346,
227.386

 10, 23.346,
227.386

 80, 23.346,
227.386

 0, 23.346, 227.386

 90, 23.346,
227.386

 40, 23.346,

 40, 23.346,

227.386

■ 39, 24.428,
230.106

■ 38, 25.230,
233.201

■ 38, 25.312,
233.495

227.386

■ 41, 21.802,
225.198

■ 42, 19.779,
223.474

■ 44, 17.294,
222.140

■ 45, 14.386,
221.129

■ 46, 11.105,
220.380

■ 48, 7.510, 219.849

■ 50, 3.657, 219.519

■ 51, 0.403, 38.225

■ 53, 4.622, 38.932

Harmonies

Complementary

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



40, 23.346, 227.386



29, 43.653, 41.773

Rectangle

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



40, 23.346, 227.386



40, 23.346, 277.386



40, 23.346, 47.386



40, 23.346, 97.386

Sweetspot

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



40, 23.345, 227.385



60, 11.544, 220.120



45, 55.964, 141.846



30, 7.814, 220.284



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 23.345, 227.385



50, 30.264, 232.794



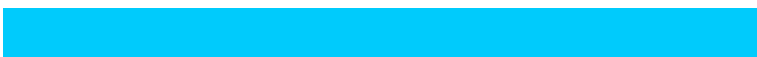
25, 43.160, 289.291



25, 2.293, 219.520



39, 25.802, 233.608



76, 43.631, 235.848

Inverse Universe

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



29, 53.058, 335.737



36, 68.890, 337.366



41, 40.790, 81.985



24, 4.298, 330.946



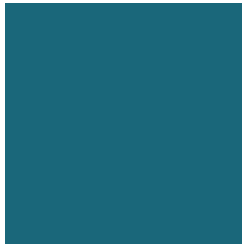
28, 58.733, 337.615



57, 98.117, 338.235

Previews

White Background



This preview shows how the CIE LCh color 40, 23.346, 227.386 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, 23.346, 227.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

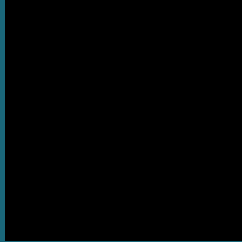
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 23.346, 227.386

Background



This preview shows how black text looks on a background with the CIELCh color 40, 23.346, 227.386.

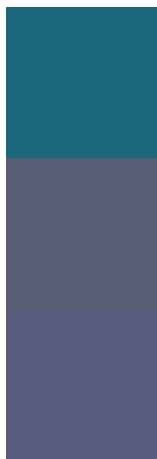


This preview shows how white text looks on a background with the CIELCh color 40, 23.346, 227.386.

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, 23.346, 227.386

Protanopia

40, 13.473, 285.778

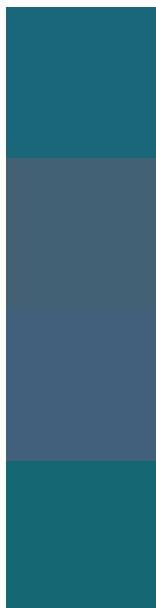
Deuteranopia

40, 19.568, 287.847



Tritanopia
40, 23.943, 210.216

Trichromacy



Original Color
40, 23.346, 227.386

Protanomaly
40, 15.864, 249.348

Deuteranomaly
39, 19.016, 259.601

Tritanomaly
40, 23.588, 215.227

Monochromacy



Original Color
40, 23.346, 227.386

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 11.358, 217.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 23.346, 227.386 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(26, 103, 122)` looks like.

```
.text, #text, p{  
    color:rgb(26, 103, 122)  
}
```

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(26, 103, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 103, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 23.346, 227.386 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(26, 103, 122) }
```

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

```
.border{ border-color:rgb(26, 103, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 103, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 103, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 103, 122);  
box-shadow:4px 4px 4px 4px rgb(26, 103,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 23.346, 227.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 103, 122) }
```

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

```
.background{ background-color: rgb(26, 103,  
122) }
```

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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