

Converting Colors

CIELCh(40, 19.977, 214.022)

Have a look what the booklet for
CIELCh(40, 19.977, 214.022)
contains.

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Color

CIELCh(40, 20.073, 213.268)

Conversions

Conversions Part 1

Format	Color
Hex	296770
RGB	41, 103, 112
RGB Percent	16%, 40%, 44%
CMY	0.8409, 0.5975, 0.5622
CMYK	0.64, 0.08, 0.00, 0.56
HSL	188°, 47%, 30%
HSV	188°, 64%, 44%
XYZ	8.6146, 11.2510, 16.9378
YIQ	85.4880, -39.8410, -10.3450

Conversions

Conversions Part 2

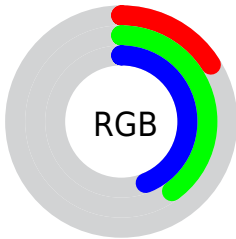
Format	Color
RYB	41, 74, 112
Decimal	2713456
CIELab	40.00, -16.78, -11.01
CIELCh	40, 20.073, 213.268
Yxy	11.2510, 0.2341, 0.3057
Android (android.graphics.Color)	4280903536 (0xFF296770)
YUV	85.4880, 13.0704, -39.0160
Hunter-Lab	33.5425, -12.8558, -6.4597




Details

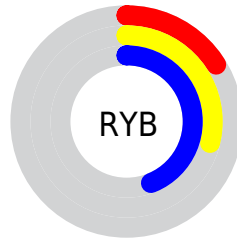
The CIELCh color **40, 20.073, 213.268** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 32.658, 35.175**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **60, 19.995, 214.339**, and **21, 16.461, 216.287** is the 20% darker color. If you saturate the color by 10%, you get **39, 21.727, 214.311**, and if you desaturate by 10%, it is **41, 17.929, 212.495**.

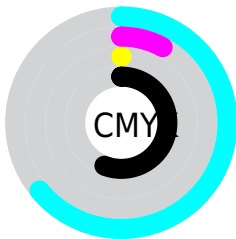
Distribution







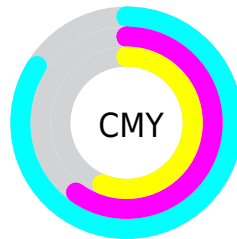
-  Red (16%)
-  Green (40%)
-  Blue (44%)






-  Red (16%)
-  Yellow (29%)
-  Blue (44%)



-  Cyan (64%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (56%)





-  Cyan (84%)
-  Magenta (60%)
-  Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.073, 213.268 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, 20.073, 213.268 by changing the saturation by 10% instead.


 40, 20.073,
213.268


 40, 20.073,
213.268


 100, 20.073,
213.268


 30, 20.073,
213.268

 60, 20.073,
213.268


 20, 20.073,
213.268

 70, 20.073,
213.268

 10, 20.073,
213.268

 80, 20.073,
213.268

 0, 20.073, 213.268

 90, 20.073,
213.268

 40, 20.073,

 40, 20.073,

213.268

■ 39, 21.727,
214.311

■ 38, 22.882,
215.674

■ 38, 23.573,
217.383

■ 37, 23.949,
218.499

213.268

■ 41, 17.929,
212.495

■ 42, 15.331,
211.953

■ 43, 12.328,
211.602

■ 44, 8.977, 211.410

■ 45, 5.337, 211.360

■ 47, 1.464, 211.561

■ 48, 2.592, 31.273

■ 49, 6.787, 31.520

■ 51, 11.082, 31.747

Harmonies

Complementary

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



40, 20.073, 213.268



29, 32.658, 35.175

Rectangle

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



40, 20.073, 213.268



40, 20.073, 263.268



40, 20.073, 33.268



40, 20.073, 83.268

Sweetspot

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



40, 20.073, 213.267



57, 9.070, 211.372



42, 45.993, 142.180



29, 6.248, 211.390



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 20.073, 213.267



50, 26.962, 214.865



29, 28.832, 279.318



23, 2.234, 211.393



40, 25.182, 218.694



80, 42.866, 220.155

Inverse Universe

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



29, 44.988, 331.711



36, 62.552, 332.506



38, 30.090, 78.673



22, 4.201, 328.566



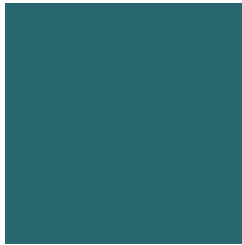
27, 60.098, 333.769



57, 102.084, 334.131

Previews

White Background



This preview shows how the CIELCh color 40, 20.073, 213.268 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, 20.073, 213.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

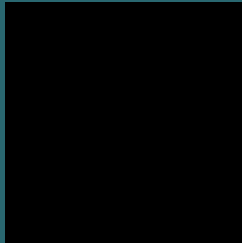
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

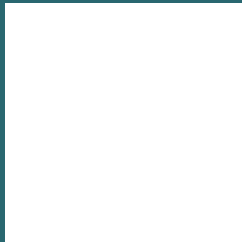
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 20.073, 213.268

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.073, 213.268.



This preview shows how white text looks on a background with the CIELCh color 40, 20.073, 213.268.

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, 20.073, 213.268

Protanopia

40, 7.332, 288.193

Deuteranopia

40, 13.453, 293.842



Tritanopia
40, 20.245, 211.276

Trichromacy



Original Color
40, 20.073, 213.268

Protanomaly
40, 10.650, 233.715

Deuteranomaly
40, 12.846, 253.135

Tritanomaly
40, 20.245, 211.276

Monochromacy



Original Color
40, 20.073, 213.268

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 8.826, 214.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.073, 213.268 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(41, 103, 112)` looks like.

```
.text, #text, p{  
    color:rgb(41, 103, 112)  
}
```

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(41, 103, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 103, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.073, 213.268 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(41, 103, 112) }
```

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

```
.border{ border-color:rgb(41, 103, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 103, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 103, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 103, 112);  
box-shadow:4px 4px 4px 4px rgb(41, 103,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.073, 213.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 103, 112) }
```

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

```
.background{ background-color: rgb(41, 103,  
112) }
```

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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