

Converting Colors

CIELCh(40, 20.847, 217.894)

Have a look what the booklet for
CIELCh(40, 20.847, 217.894)
contains.

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Color

CIELCh(40, 20.972, 217.884)

Conversions

Conversions Part 1

Format	Color
Hex	256773
RGB	37, 103, 115
RGB Percent	15%, 40%, 45%
CMY	0.8565, 0.5974, 0.5503
CMYK	0.68, 0.10, 0.00, 0.55
HSL	189°, 52%, 30%
HSV	189°, 68%, 45%
XYZ	8.6412, 11.2510, 17.8352
YIQ	84.6340, -43.1880, -10.2600

Conversions

Conversions Part 2

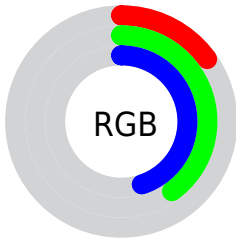
Format	Color
RYB	37, 73, 115
Decimal	2451315
CIELab	40.00, -16.55, -12.88
CIELCh	40, 20.972, 217.884
Yxy	11.2510, 0.2290, 0.2982
Android (android.graphics.Color)	4280641395 (0xFF256773)
YUV	84.6340, 14.9704, -41.7750
Hunter-Lab	33.5425, -12.7142, -8.0459




Details

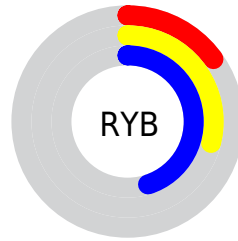
The CIELCh color **40, 20.972, 217.884** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 35.610, 37.627**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **60, 21.016, 218.414**, and **21, 16.701, 223.813** is the 20% darker color. If you saturate the color by 10%, you get **39, 22.434, 219.422**, and if you desaturate by 10%, it is **41, 19.017, 216.700**.

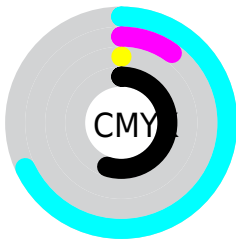
Distribution







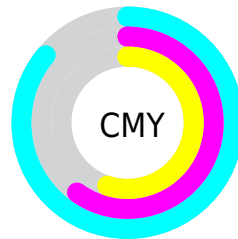
-  Red (15%)
-  Green (40%)
-  Blue (45%)






-  Red (15%)
-  Yellow (29%)
-  Blue (45%)



-  Cyan (68%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (55%)





-  Cyan (86%)
-  Magenta (60%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.972, 217.884 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, 20.972, 217.884 by changing the saturation by 10% instead.


 40, 20.972,
217.884


 40, 20.972,
217.884


 100, 20.972,
217.884


 30, 20.972,
217.884

 60, 20.972,
217.884


 20, 20.972,
217.884

 70, 20.972,
217.884

 10, 20.972,
217.884

 80, 20.972,
217.884

 0, 20.972, 217.884

 90, 20.972,
217.884

 40, 20.972,

 40, 20.972,

217.884

217.884

■ 39, 22.434,
219.422

■ 41, 19.017,
216.700

■ 38, 23.410,
221.375

■ 42, 16.595,
215.816

■ 38, 24.051,
223.648

■ 43, 13.747,
215.180

■ 37, 24.176,
224.075

■ 44, 10.529,
214.749

■ 46, 6.999, 214.489

■ 47, 3.213, 214.402

■ 49, 0.777, 33.768

■ 50, 4.923, 34.199

■ 52, 9.186, 34.328

Harmonies

Complementary

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



40, 20.972, 217.884



29, 35.610, 37.627

Rectangle

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



40, 20.972, 217.884



40, 20.972, 267.884



40, 20.972, 37.884



40, 20.972, 87.884

Sweetspot

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



40, 20.972, 217.883



58, 9.467, 214.537



42, 48.615, 142.524



29, 6.375, 214.588



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, 20.972, 217.883



50, 27.729, 220.535



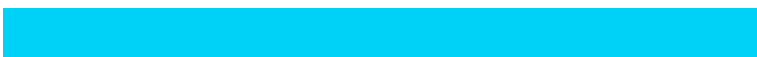
28, 33.247, 283.328



23, 2.190, 214.400



39, 24.948, 224.225



78, 42.557, 226.051

Inverse Universe

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



29, 47.473, 333.030



35, 64.689, 334.044



39, 33.432, 80.907



22, 4.122, 329.441



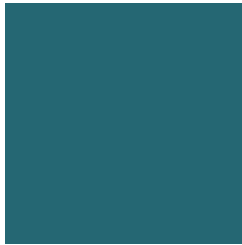
27, 58.898, 335.153



57, 99.939, 335.619

Previews

White Background



This preview shows how the CIELCh color 40, 20.972, 217.884 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, 20.972, 217.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

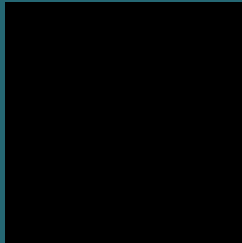
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

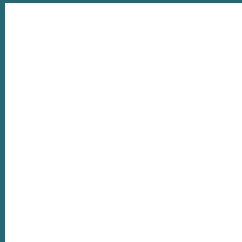
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 20.972, 217.884

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.972, 217.884.

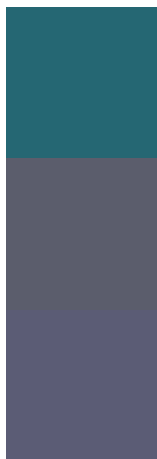


This preview shows how white text looks on a background with the CIELCh color 40, 20.972, 217.884.

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, 20.972, 217.884

Protanopia

40, 9.176, 286.681

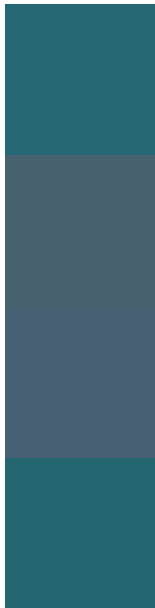
Deuteranopia

40, 15.267, 291.075



Tritanopia
40, 21.174, 212.301

Trichromacy



Original Color
40, 20.972, 217.884

Protanomaly
40, 12.127, 239.698

Deuteranomaly
40, 14.770, 255.069

Tritanomaly
40, 21.030, 214.203

Monochromacy



Original Color
40, 20.972, 217.884

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 9.508, 213.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.972, 217.884 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(37, 103, 115)` looks like.

```
.text, #text, p{  
    color:rgb(37, 103, 115)  
}
```

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(37, 103, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 103, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.972, 217.884 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(37, 103, 115) }
```

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

```
.border{ border-color:rgb(37, 103, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 103, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 103, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 103, 115);  
box-shadow:4px 4px 4px 4px rgb(37, 103,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.972, 217.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 103, 115) }
```

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

```
.background{ background-color: rgb(37, 103,  
115) }
```

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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