

Converting Colors

CIELCh(40, 22.855, 201.508)

Have a look what the booklet for
CIELCh(40, 22.855, 201.508)
contains.

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Color

CIELCh(40, 22.778, 201.444)

Conversions

Conversions Part 1

Format	Color
Hex	1C686B
RGB	28, 104, 107
RGB Percent	11%, 41%, 42%
CMY	0.8892, 0.5915, 0.5797
CMYK	0.74, 0.03, 0.00, 0.58
HSL	182°, 58%, 27%
HSV	182°, 74%, 42%
XYZ	8.1162, 11.2510, 15.7014
YIQ	81.6180, -46.2590, -15.1790

Conversions

Conversions Part 2

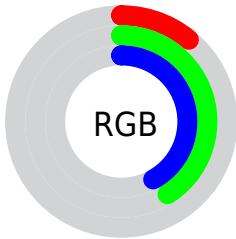
Format	Color
R _Y B	28, 67, 107
Decimal	1861739
CIE Lab	40.00, -21.20, -8.33
CIE LCh	40, 22.778, 201.444
Yxy	11.2510, 0.2314, 0.3208
Android (android.graphics.Color)	4280051819 (0xFF1C686B)
YUV	81.6180, 12.5133, -47.0230
Hunter-Lab	33.5425, -15.5083, -4.2742




Details

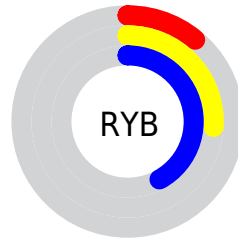
The CIELCh color **40, 22.778, 201.444** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 39.499, 31.991**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **60, 22.551, 201.791**, and **21, 16.545, 206.152** is the 20% darker color. If you saturate the color by 10%, you get **40, 24.017, 201.674**, and if you desaturate by 10%, it is **40, 21.026, 201.331**.

Distribution







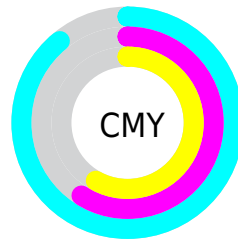
-  Red (11%)
-  Green (41%)
-  Blue (42%)






-  Red (11%)
-  Yellow (26%)
-  Blue (42%)



-  Cyan (74%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (89%)
-  Magenta (59%)
-  Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 22.778, 201.444 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, 22.778, 201.444 by changing the saturation by 10% instead.

 40, 22.778,
201.444

 40, 22.778,
201.444

 100, 22.778,
201.444


 30, 22.778,
201.444

 60, 22.778,
201.444

 20, 22.778,
201.444

 70, 22.778,
201.444

 10, 22.778,
201.444

 80, 22.778,
201.444

 0, 22.778, 201.444

 90, 22.778,
201.444

 40, 22.778,

 40, 22.778,

201.444

■ 40, 24.017,
201.674

■ 39, 24.784,
202.025

■ 39, 25.204,
202.258

201.444

■ 40, 21.026,
201.331

■ 41, 18.772,
201.330

■ 42, 16.048,
201.430

■ 42, 12.903,
201.619

■ 43, 9.394, 201.888

■ 44, 5.582, 202.236

■ 45, 1.527, 202.778

■ 46, 2.715, 22.834

■ 47, 7.096, 23.363

Harmonies

Complementary

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



40, 22.778, 201.444



24, 39.499, 31.991

Rectangle

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



40, 22.778, 201.444



40, 22.778, 251.444



40, 22.778, 21.444



40, 22.778, 71.444

Sweetspot

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



40, 22.778, 201.443



56, 10.934, 201.920



39, 52.667, 138.887



29, 7.358, 201.860



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, 22.778, 201.443



51, 29.810, 201.904



27, 28.456, 274.846



22, 2.325, 202.437



43, 26.862, 202.320



85, 46.098, 202.691

Inverse Universe

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



27, 51.366, 328.998



33, 69.333, 329.492



33, 32.957, 69.644



21, 4.295, 325.917



27, 63.279, 329.738



57, 108.706, 329.830

Previews

White Background



This preview shows how the CIELCh color 40, 22.778, 201.444 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, 22.778, 201.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

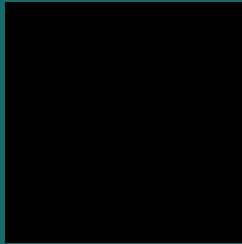
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 22.778, 201.444

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.778, 201.444.

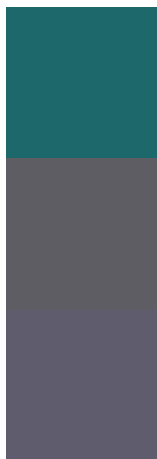


This preview shows how white text looks on a background with the CIELCh color 40, 22.778, 201.444.

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, 22.778, 201.444

Protanopia

40, 4.302, 296.289

Deuteranopia

40, 11.081, 297.935



Tritanopia
40, 21.826, 211.771

Trichromacy



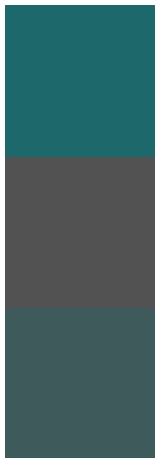
Original Color
40, 22.778, 201.444

Protanomaly
39, 10.679, 218.485

Deuteranomaly
39, 11.891, 240.811

Tritanomaly
40, 22.002, 208.276

Monochromacy



Original Color
40, 22.778, 201.444

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 10.815, 201.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.778, 201.444 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(28, 104, 107)` looks like.

```
.text, #text, p{  
    color:rgb(28, 104, 107)  
}
```

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(28, 104, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 104, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.778, 201.444 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(28, 104, 107) }
```

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

```
.border{ border-color:rgb(28, 104, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 104, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 104, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 104, 107);  
box-shadow:4px 4px 4px 4px rgb(28, 104,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.778, 201.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 104, 107) }
```

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

```
.background{ background-color: rgb(28, 104,  
107) }
```

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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