

Converting Colors

CIELCh(40, 21.818, 205.053)

Have a look what the booklet for
CIELCh(40, 21.818, 205.053)
contains.

CIELCh(40, 21.818, 205.053)	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, 21.818, 205.053)

Conversions

Conversions Part 1

Format	Color
Hex	21686D
RGB	33, 104, 109
RGB Percent	13%, 41%, 43%
CMY	0.8722, 0.5934, 0.5738
CMYK	0.70, 0.05, 0.00, 0.57
HSL	184°, 54%, 28%
HSV	184°, 70%, 43%
XYZ	8.2760, 11.2510, 16.1143
YIQ	83.3410, -43.9210, -13.4970

Conversions

Conversions Part 2

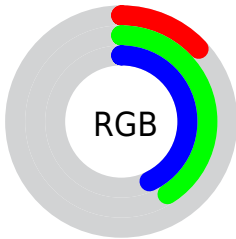
Format	Color
R_{YB}	33, 70, 109
Decimal	2189421
CIE _{Lab}	40.00, -19.77, -9.24
CIE _{LCh}	40, 21.818, 205.053
Yxy	11.2510, 0.2322, 0.3157
Android (android.graphics.Color)	4280379501 (0xFF21686D)
YUV	83.3410, 12.6499, -44.1491
Hunter-Lab	33.5425, -14.6577, -5.0041

Details

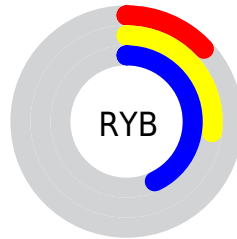
The CIELCh color **40, 21.818, 205.053** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 37.126, 32.545**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 21.702, 205.089**, and **21, 16.445, 211.205** is the 20% darker color. If you saturate the color by 10%, you get **40, 23.194, 205.537**, and if you desaturate by 10%, it is **41, 19.929, 204.734**.

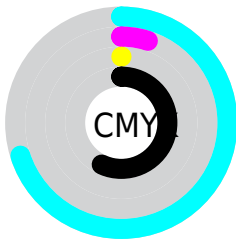
Distribution



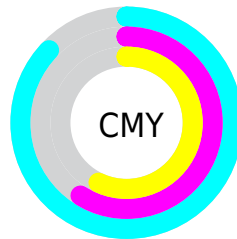
- Red (13%)
- Green (41%)
- Blue (43%)



- Red (13%)
- Yellow (27%)
- Blue (43%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (57%)





- Cyan (87%)
- Magenta (59%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.818, 205.053 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, 21.818, 205.053 by changing the saturation by 10% instead.


 40, 21.818,
205.053


 40, 21.818,
205.053


 100, 21.818,
205.053


 30, 21.818,
205.053

 60, 21.818,
205.053


 20, 21.818,
205.053

 70, 21.818,
205.053

 10, 21.818,
205.053

 80, 21.818,
205.053

 0, 21.818, 205.053

 90, 21.818,
205.053

 40, 21.818,

 40, 21.818,

205.053

■ 40, 23.194,
205.537

■ 39, 24.064,
206.209

■ 39, 24.666,
206.972

205.053

■ 41, 19.929,
204.734

■ 41, 17.549,
204.566

■ 42, 14.717,
204.527

■ 43, 11.487,
204.600

■ 44, 7.918, 204.772

■ 45, 4.071, 205.047

■ 46, 0.007, 263.023

■ 47, 4.232, 25.508

■ 48, 8.593, 25.928

Harmonies

Complementary

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



40, 21.818, 205.053



26, 37.126, 32.545

Rectangle

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



40, 21.818, 205.053



40, 21.818, 255.053



40, 21.818, 25.053



40, 21.818, 75.053

Sweetspot

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



40, 21.818, 205.052



56, 10.195, 204.739



40, 50.768, 139.682



28, 6.909, 204.699



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, 21.818, 205.052



50, 28.573, 205.931



28, 28.100, 275.289



22, 2.264, 205.085



42, 26.027, 207.070



83, 44.608, 207.761

Inverse Universe

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



28, 49.249, 329.815



34, 66.741, 330.436



35, 31.719, 71.702



21, 4.214, 326.708



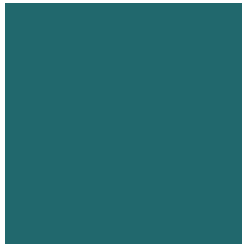
27, 61.969, 330.915



57, 106.324, 331.085

Previews

White Background



This preview shows how the CIELCh color 40, 21.818, 205.053 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, 21.818, 205.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

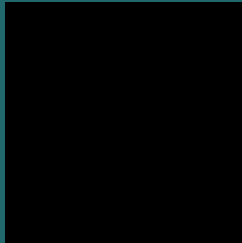
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.818, 205.053

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.818, 205.053.



This preview shows how white text looks on a background with the CIELCh color 40, 21.818, 205.053.

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, 21.818, 205.053

Protanopia

40, 5.497, 291.027

Deuteranopia

40, 11.651, 295.770



Tritanopia
40, 21.344, 212.161

Trichromacy



Original Color
40, 21.818, 205.053

Protanomaly
39, 10.526, 222.469

Deuteranomaly
39, 12.020, 244.354

Tritanomaly
40, 21.505, 210.304

Monochromacy



Original Color
40, 21.818, 205.053

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 10.112, 201.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.818, 205.053 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(33, 104, 109)` looks like.

```
.text, #text, p{  
    color:rgb(33, 104, 109)  
}
```

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(33, 104, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 104, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.818, 205.053 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(33, 104, 109) }
```

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

```
.border{ border-color:rgb(33, 104, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 104, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 104, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 104, 109);  
box-shadow:4px 4px 4px 4px rgb(33, 104,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.818, 205.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 104, 109) }
```

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

```
.background{ background-color: rgb(33, 104,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor