

Converting Colors

CIELCh(40, 20.427, 197.063)

Have a look what the booklet for
CIELCh(40, 20.427, 197.063)
contains.

CIELCh(40, 20.289, 197.003)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 20.289, 197.003)

Conversions

Conversions Part 1

Format	Color
Hex	2A6767
RGB	42, 103, 103
RGB Percent	16%, 40%, 40%
CMY	0.8339, 0.5948, 0.5948
CMYK	0.59, 0.00, 0.00, 0.59
HSL	180°, 42%, 29%
HSV	180°, 59%, 41%
XYZ	8.3167, 11.2510, 14.6503
YIQ	84.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

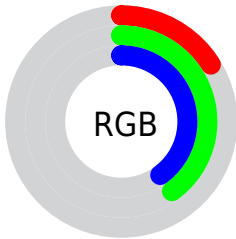
Format	Color
RYB	42, 73, 103
Decimal	2778983
CIELab	40.00, -19.40, -5.93
CIElCh	40, 20.289, 197.003
Yxy	11.2510, 0.2431, 0.3288
Android (android.graphics.Color)	4280969063 (0xFF2A6767)
YUV	84.7610, 8.9918, -37.5014
Hunter-Lab	33.5425, -14.4409, -2.4163

Details

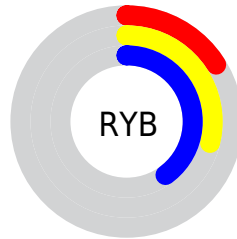
The CIELCh color **40, 20.289, 197.003** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 30.582, 26.335**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 20.074, 197.615**, and **20, 17.074, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **40, 22.339, 196.768**, and if you desaturate by 10%, it is **40, 17.758, 197.293**.

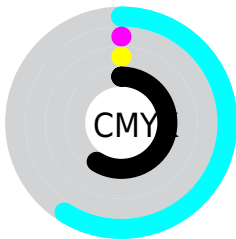
Distribution



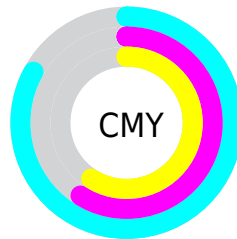
- Red (16%)
- Green (40%)
- Blue (40%)



- Red (16%)
- Yellow (29%)
- Blue (40%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (59%)





- Cyan (83%)
- Magenta (59%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.289, 197.003 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, 20.289, 197.003 by changing the saturation by 10% instead.


 40, 20.289,
197.003


 40, 20.289,
197.003


 100, 20.289,
197.003


 30, 20.289,
197.003

 60, 20.289,
197.003


 20, 20.289,
197.003

 70, 20.289,
197.003

 10, 20.289,
197.003

 80, 20.289,
197.003

 0, 20.289, 197.003

 90, 20.289,
197.003

 40, 20.289,

 40, 20.289,

197.003

■ 40, 22.339,
196.768

■ 39, 23.892,
196.592

■ 39, 24.954,
196.473

■ 39, 25.730,
196.386

■ 39, 25.808,
196.377

197.003

■ 40, 17.758,
197.293

■ 41, 14.786,
197.642

■ 42, 11.422,
198.045

■ 42, 7.725, 198.501

■ 43, 3.756, 199.029

■ 44, 0.427, 18.654

■ 45, 4.770, 19.923

■ 46, 9.225, 20.519

■ 47, 13.754, 21.108

Harmonies

Complementary

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



40, 20.289, 197.003



26, 30.582, 26.335

Rectangle

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



40, 20.289, 197.003



40, 20.289, 247.003



40, 20.289, 17.003



40, 20.289, 67.003

Sweetspot

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



40, 20.289, 197.001



55, 9.136, 198.524



39, 43.438, 139.447



28, 6.356, 198.417



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 20.289, 197.001



51, 27.903, 196.689



30, 20.791, 264.615



21, 2.318, 199.035



43, 27.798, 196.377



87, 48.208, 196.377

Inverse Universe

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



26, 30.582, 26.335



31, 46.997, 30.017



33, 24.891, 66.822



19, 2.443, 19.840



22, 55.895, 37.348



51, 100.589, 39.998

Previews

White Background



This preview shows how the CIELCh color 40, 20.289, 197.003 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, 20.289, 197.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

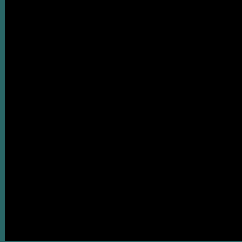
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 20.289, 197.003

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.289, 197.003.



This preview shows how white text looks on a background with the CIELCh color 40, 20.289, 197.003.

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, 20.289, 197.003

Protanopia

40, 2.486, 300.142

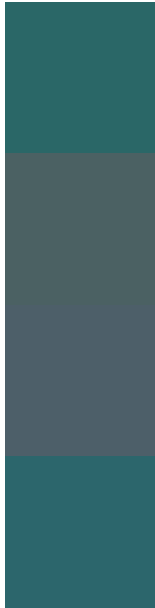
Deuteranopia

40, 9.521, 306.185



Tritanopia
40, 19.023, 214.304

Trichromacy



Original Color
40, 20.289, 197.003

Protanomaly
39, 8.633, 206.564

Deuteranomaly
39, 9.039, 241.598

Tritanomaly
40, 19.180, 208.360

Monochromacy



Original Color
40, 20.289, 197.003

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 9.078, 198.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.289, 197.003 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(42, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(42, 103, 103)  
}
```

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(42, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.289, 197.003 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(42, 103, 103) }
```

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

```
.border{ border-color:rgb(42, 103, 103) }
```

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

Here you see how a box with a 4 pixel rgb(42, 103, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(42, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.289, 197.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 103, 103) }
```

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

```
.background{ background-color: rgb(42, 103,  
103) }
```

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