

Converting Colors

CIELCh(40, 20.186, 201.090)

Have a look what the booklet for
CIELCh(40, 20.186, 201.090)
contains.

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Color

CIELCh(40, 20.070, 200.579)

Conversions

Conversions Part 1

Format	Color
Hex	2A6769
RGB	42, 103, 105
RGB Percent	16%, 40%, 41%
CMY	0.8346, 0.5955, 0.5876
CMYK	0.60, 0.02, 0.00, 0.59
HSL	182°, 43%, 29%
HSV	182°, 60%, 41%
XYZ	8.3858, 11.2510, 15.1366
YIQ	84.9890, -36.9980, -12.3100

Conversions

Conversions Part 2

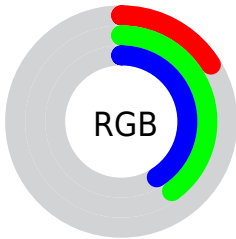
Format	Color
RYB	42, 73, 105
Decimal	2778985
CIELab	40.00, -18.79, -7.05
CIELCh	40, 20.070, 200.579
Yxy	11.2510, 0.2412, 0.3236
Android (android.graphics.Color)	4280969065 (0xFF2A6769)
YUV	84.9890, 9.8654, -37.7014
Hunter-Lab	33.5425, -14.0733, -3.2759

Details

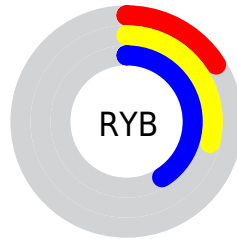
The CIELCh color **40, 20.070, 200.579** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 30.855, 28.395**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 19.933, 200.927**, and **21, 16.756, 201.193** is the 20% darker color. If you saturate the color by 10%, you get **40, 22.006, 200.593**, and if you desaturate by 10%, it is **41, 17.649, 200.660**.

Distribution



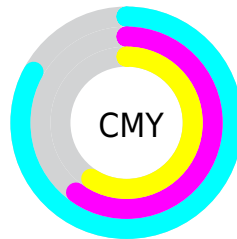
- Red (16%)
- Green (40%)
- Blue (41%)



- Red (16%)
- Yellow (29%)
- Blue (41%)



- Cyan (60%)
- Magenta (2%)
- Yellow (0%)
- Black (59%)





- Cyan (83%)
- Magenta (60%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.070, 200.579 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, 20.070, 200.579 by changing the saturation by 10% instead.


 40, 20.070,
200.579


 40, 20.070,
200.579


 100, 20.070,
200.579


 30, 20.070,
200.579

 60, 20.070,
200.579


 20, 20.070,
200.579

 70, 20.070,
200.579

 10, 20.070,
200.579

 80, 20.070,
200.579

 0, 20.070, 200.579

 90, 20.070,
200.579

 40, 20.070,

 40, 20.070,

200.579

■ 40, 22.006,
200.593

■ 39, 23.439,
200.714

■ 39, 24.375,
200.946

■ 39, 25.055,
201.231

■ 39, 25.062,
201.234

200.579

■ 41, 17.649,
200.660

■ 41, 14.782,
200.831

■ 42, 11.520,
201.082

■ 43, 7.921, 201.406

■ 44, 4.047, 201.814

■ 44, 0.046, 14.630

■ 46, 4.304, 22.507

■ 47, 8.682, 23.024

■ 48, 13.141, 23.533

Harmonies

Complementary

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



40, 20.070, 200.579



27, 30.855, 28.395

Rectangle

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



40, 20.070, 200.579



40, 20.070, 250.579



40, 20.070, 20.579



40, 20.070, 70.579

Sweetspot

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



40, 20.070, 200.577



55, 8.980, 201.457



39, 44.367, 140.047



28, 6.153, 201.377



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, 20.070, 200.577



51, 27.493, 200.630



30, 22.366, 268.629



22, 2.339, 201.858



43, 27.071, 201.296



86, 46.475, 201.600

Inverse Universe

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



29, 43.516, 328.268



35, 61.876, 328.796



34, 25.866, 69.950



21, 4.313, 325.742



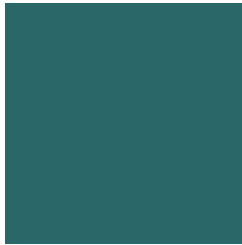
27, 63.578, 329.481



58, 109.250, 329.558

Previews

White Background



This preview shows how the CIELCh color 40, 20.070, 200.579 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, 20.070, 200.579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

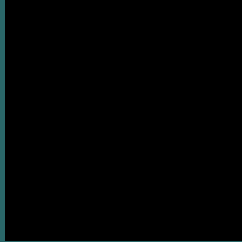
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

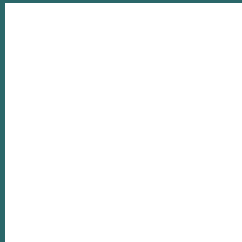
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 20.070, 200.579

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.070, 200.579.



This preview shows how white text looks on a background with the CIELCh color 40, 20.070, 200.579.

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, 20.070, 200.579

Protanopia

40, 3.695, 297.122

Deuteranopia

40, 10.620, 302.503



Tritanopia
40, 19.023, 214.304

Trichromacy



Original Color
40, 20.070, 200.579

Protanomaly
40, 8.773, 214.688

Deuteranomaly
39, 10.065, 245.900

Tritanomaly
40, 19.178, 210.273

Monochromacy



Original Color
40, 20.070, 200.579

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, 20.070, 200.579 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(42, 103, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 103, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.070, 200.579 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, 105) }
```

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

```
.border{ border-color:rgb(42, 103, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 103, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 103, 105);  
box-shadow:4px 4px 4px 4px rgb(42, 103,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.070, 200.579 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, 105) }
```

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

```
.background{ background-color: rgb(42, 103,  
105) }
```

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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