

Converting Colors

CIELCh(40, 20.062, 177.816)

Have a look what the booklet for
CIELCh(40, 20.062, 177.816)
contains.

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Color

CIELCh(40, 20.141, 177.405)

Conversions

Conversions Part 1

Format	Color
Hex	34675C
RGB	52, 103, 92
RGB Percent	20%, 40%, 36%
CMY	0.7953, 0.5953, 0.6385
CMYK	0.49, 0.00, 0.11, 0.60
HSL	167°, 33%, 30%
HSV	167°, 49%, 40%
XYZ	8.2363, 11.2510, 11.9066
YIQ	86.4970, -26.8650, -14.2330

Conversions

Conversions Part 2

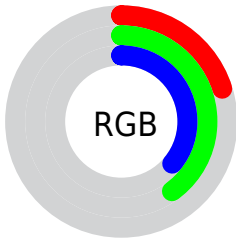
Format	Color
RYB	52, 81, 103
Decimal	3434332
CIELab	40.00, -20.12, 0.91
CIElCh	40, 20.141, 177.405
Yxy	11.2510, 0.2624, 0.3584
Android (android.graphics.Color)	4281624412 (0xFF34675C)
YUV	86.4970, 2.7130, -30.2539
Hunter-Lab	33.5425, -14.8691, 2.4336

Details

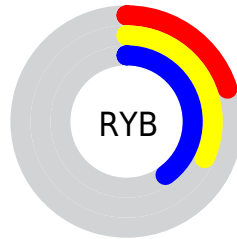
The CIELCh color **40, 20.141, 177.405** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 24.359, 8.235**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 20.078, 177.746**, and **20, 19.983, 175.811** is the 20% darker color. If you saturate the color by 10%, you get **40, 23.374, 176.246**, and if you desaturate by 10%, it is **41, 16.541, 178.472**.

Distribution



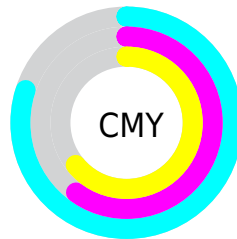
- Red (20%)
- Green (40%)
- Blue (36%)



- Red (20%)
- Yellow (32%)
- Blue (40%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.141, 177.405 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, 20.141, 177.405 by changing the saturation by 10% instead.


 40, 20.141,
177.405


 40, 20.141,
177.405


 100, 20.141,
177.405


 30, 20.141,
177.405

 60, 20.141,
177.405


 20, 20.141,
177.405

 70, 20.141,
177.405

 10, 20.141,
177.405

 80, 20.141,
177.405

 0, 20.141, 177.405

 90, 20.141,
177.405

 40, 20.141,

 40, 20.141,

177.405

177.405

■ 40, 23.374,
176.246

■ 41, 16.541,
178.472

■ 39, 26.185,
174.980

■ 41, 12.635,
179.469

■ 39, 28.538,
173.586

■ 42, 8.491, 180.413

■ 39, 30.427,
172.045

■ 43, 4.173, 181.332

■ 44, 0.263, 0.909

■ 38, 32.071,
170.485

■ 45, 4.764, 2.837

■ 38, 32.168,
170.400

■ 46, 9.291, 3.644

■ 47, 13.809, 4.402

■ 48, 18.295, 5.130

Harmonies

Complementary

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



40, 20.141, 177.405



29, 24.359, 8.235

Rectangle

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



40, 20.141, 177.405



40, 20.141, 227.405



40, 20.141, 357.405



40, 20.141, 47.405

Sweetspot

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



40, 20.141, 177.403



55, 8.233, 180.778



40, 34.840, 135.705



28, 5.649, 180.636



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, 20.141, 177.403



51, 28.818, 176.088



36, 15.149, 234.804



21, 2.464, 181.380



43, 34.790, 170.151



86, 61.312, 168.917

Inverse Universe

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



29, 24.359, 8.235



35, 36.451, 10.691



32, 20.670, 47.508



19, 2.544, 2.759



23, 50.013, 25.624



51, 89.247, 29.267

Previews

White Background



This preview shows how the CIELCh color 40, 20.141, 177.405 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 CIE LCh color 40, 20.141, 177.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

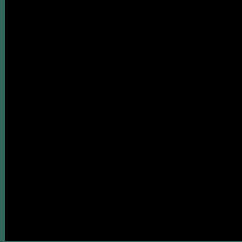
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 20.141, 177.405

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.141, 177.405.



This preview shows how white text looks on a background with the CIELCh color 40, 20.141, 177.405.

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, 20.141, 177.405

Protanopia
40, 4.029, 84.164

Deuteranopia
40, 5.267, 352.594



Tritanopia
40, 15.840, 215.797

Trichromacy



Original Color
40, 20.141, 177.405

Protanomaly
40, 8.300, 162.357

Deuteranomaly
39, 4.555, 191.147

Tritanomaly
40, 16.666, 199.539

Monochromacy



Original Color
40, 20.141, 177.405

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 8.166, 180.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.141, 177.405 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(52, 103, 92)` looks like.

```
.text, #text, p{  
    color:rgb(52, 103, 92)  
}
```

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(52, 103, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 103, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.141, 177.405 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(52, 103, 92) }
```

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

```
.border{ border-color:rgb(52, 103, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 103, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 103, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 103, 92);  
box-shadow:4px 4px 4px 4px rgb(52, 103,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.141, 177.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 103, 92) }
```

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

```
.background{ background-color: rgb(52, 103,  
92) }
```

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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