

Converting Colors

CIELCh(40, 21.002, 179.217)

Have a look what the booklet for
CIELCh(40, 21.002, 179.217)
contains.

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Color

CIELCh(40, 21.183, 178.308)

Conversions

Conversions Part 1

Format	Color
Hex	31685D
RGB	49, 104, 93
RGB Percent	19%, 41%, 36%
CMY	0.8094, 0.5936, 0.6367
CMYK	0.53, 0.00, 0.11, 0.59
HSL	168°, 36%, 30%
HSV	168°, 53%, 41%
XYZ	8.1192, 11.2510, 12.0139
YIQ	86.3010, -29.2490, -15.0810

Conversions

Conversions Part 2

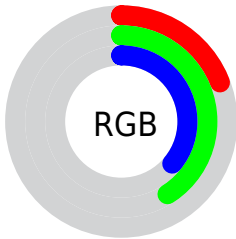
Format	Color
RYB	49, 80, 104
Decimal	3237981
CIELab	40.00, -21.17, 0.63
CIElCh	40, 21.183, 178.308
Yxy	11.2510, 0.2587, 0.3585
Android (android.graphics.Color)	4281428061 (0xFF31685D)
YUV	86.3010, 3.3026, -32.7130
Hunter-Lab	33.5425, -15.4921, 2.2439

Details

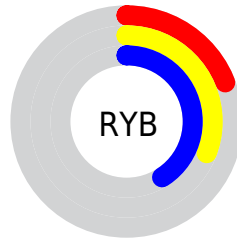
The CIELCh color **40, 21.183, 178.308** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 26.305, 10.194**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 20.948, 178.538**, and **20, 19.612, 177.581** is the 20% darker color. If you saturate the color by 10%, you get **40, 24.206, 177.148**, and if you desaturate by 10%, it is **41, 17.764, 179.376**.

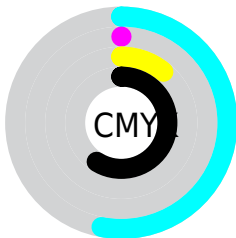
Distribution



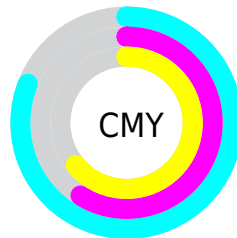
- Red (19%)
- Green (41%)
- Blue (36%)



- Red (19%)
- Yellow (31%)
- Blue (41%)



- Cyan (53%)
- Magenta (0%)
- Yellow (11%)
- Black (59%)





- Cyan (81%)
- Magenta (59%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.183, 178.308 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, 21.183, 178.308 by changing the saturation by 10% instead.


 40, 21.183,
178.308


 40, 21.183,
178.308


 100, 21.183,
178.308


 30, 21.183,
178.308

 60, 21.183,
178.308


 20, 21.183,
178.308

 70, 21.183,
178.308

 10, 21.183,
178.308

 80, 21.183,
178.308

 0, 21.183, 178.308

 90, 21.183,
178.308

 40, 21.183,

 40, 21.183,

178.308

178.308

■ 40, 24.206,
177.148

■ 41, 17.764,
179.376

■ 39, 26.785,
175.882

■ 41, 14.008,
180.373

■ 39, 28.896,
174.487

■ 42, 9.981, 181.315

■ 39, 30.559,
172.960

■ 43, 5.748, 182.223

■ 44, 1.370, 183.243

■ 39, 31.646,
171.941

■ 45, 3.099, 3.720

■ 46, 7.614, 4.562

■ 47, 12.138, 5.332

■ 48, 16.643, 6.070

Harmonies

Complementary

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



40, 21.183, 178.308



28, 26.305, 10.194

Rectangle

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



40, 21.183, 178.308



40, 21.183, 228.308



40, 21.183, 358.308



40, 21.183, 48.308

Sweetspot

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



40, 21.183, 178.306



55, 8.698, 181.919



40, 37.578, 135.905



28, 5.905, 181.786



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, 21.183, 178.306



51, 30.181, 176.812



35, 16.173, 238.018



21, 2.446, 182.606



43, 34.115, 171.712



86, 60.046, 170.525

Inverse Universe

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



28, 26.305, 10.194



33, 39.519, 13.275



32, 22.441, 49.063



19, 2.529, 3.967



23, 50.480, 26.890



51, 90.210, 30.474

Previews

White Background



This preview shows how the CIELCh color 40, 21.183, 178.308 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, 21.183, 178.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

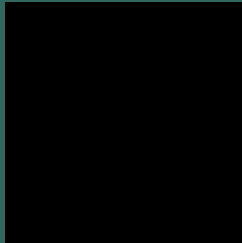
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.183, 178.308

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.183, 178.308.



This preview shows how white text looks on a background with the CIELCh color 40, 21.183, 178.308.

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, 21.183, 178.308

Protanopia

40, 4.029, 84.164

Deuteranopia

40, 5.267, 352.594



Tritanopia
40, 16.613, 214.847

Trichromacy



Original Color
40, 21.183, 178.308

Protanomaly
39, 8.959, 165.226

Deuteranomaly
40, 5.470, 185.818

Tritanomaly
40, 17.482, 199.346

Monochromacy



Original Color
40, 21.183, 178.308

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 8.545, 181.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.183, 178.308 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(49, 104, 93)` looks like.

```
.text, #text, p{  
    color:rgb(49, 104, 93)  
}
```

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(49, 104, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 104, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.183, 178.308 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(49, 104, 93) }
```

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

```
.border{ border-color:rgb(49, 104, 93) }
```

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

Here you see how a box with a 4 pixel rgb(49, 104, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 104, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 104, 93);  
box-shadow:4px 4px 4px 4px rgb(49, 104,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.183, 178.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 104, 93) }
```

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

```
.background{ background-color: rgb(49, 104,  
93) }
```

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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