

Converting Colors

CIELCh(34, 18.920, 178.767)

Have a look what the booklet for
CIELCh(34, 18.920, 178.767)
contains.

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Color

CIELCh(34, 18.823, 179.301)

Conversions

Conversions Part 1

Format	Color
Hex	28584F
RGB	40, 88, 79
RGB Percent	16%, 35%, 31%
CMY	0.8429, 0.6546, 0.6899
CMYK	0.55, 0.00, 0.10, 0.65
HSL	169°, 37%, 25%
HSV	169°, 55%, 35%
XYZ	5.7865, 8.0082, 8.6501
YIQ	72.6220, -25.7190, -12.9750

Conversions

Conversions Part 2

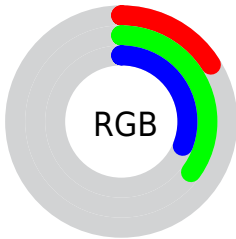
Format	Color
R_{YB}	40, 66, 88
Decimal	2644047
CIE _{Lab}	34.00, -18.82, 0.23
CIE _{LCh}	34, 18.823, 179.301
Yxy	8.0082, 0.2578, 0.3568
Android (android.graphics.Color)	4280834127 (0xFF28584F)
YUV	72.6220, 3.1444, -28.6095
Hunter-Lab	28.2988, -13.0237, 1.6860

Details

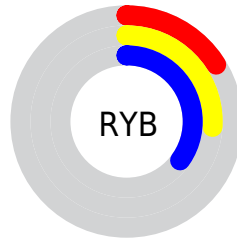
The CIELCh color **34, 18.823, 179.301** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 23.613, 11.185**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 18.605, 179.423**, and **14, 16.331, 178.035** is the 20% darker color. If you saturate the color by 10%, you get **34, 21.414, 178.194**, and if you desaturate by 10%, it is **34, 15.888, 180.324**.

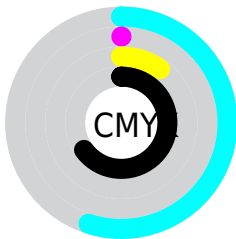
Distribution



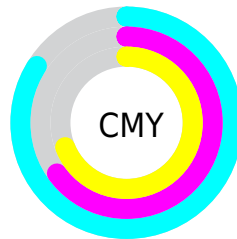
- Red (16%)
- Green (35%)
- Blue (31%)



- Red (16%)
- Yellow (26%)
- Blue (35%)



- Cyan (55%)
- Magenta (0%)
- Yellow (10%)
- Black (65%)





- Cyan (84%)
- Magenta (65%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 18.823, 179.301 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 34, 18.823, 179.301 by changing the saturation by 10% instead.


 34, 18.823,
179.301


 34, 18.823,
179.301

 100, 18.823,
179.301


 24, 18.823,
179.301

 54, 18.823,
179.301


 14, 18.823,
179.301


 64, 18.823,
179.301

 4, 18.823, 179.301

 74, 18.823,
179.301

 0, 18.823, 179.301

 84, 18.823,
179.301

 94, 18.823,
179.301

■ 34, 18.823,
179.301

■ 34, 18.823,
179.301

■ 34, 21.414,
178.194

■ 34, 15.888,
180.324

■ 33, 23.621,
176.991

■ 35, 12.657,
181.284

■ 33, 25.425,
175.671

■ 36, 9.185, 182.194

■ 33, 26.903,
174.271

■ 36, 5.528, 183.072

■ 37, 1.736, 184.005

■ 33, 27.714,
173.553

■ 38, 2.144, 4.500

■ 39, 6.073, 5.350

■ 40, 10.020, 6.109

■ 41, 13.958, 6.836

Harmonies

Complementary

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



34, 18.823, 179.301



23, 23.613, 11.185

Rectangle

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



34, 18.823, 179.301



34, 18.823, 229.301



34, 18.823, 359.301



34, 18.823, 49.301

Sweetspot

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



34, 18.823, 179.299



47, 7.564, 182.895



34, 33.719, 135.887



24, 5.137, 182.786



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 18.823, 179.299



44, 26.534, 177.887



29, 14.501, 238.078



17, 2.121, 183.581



40, 31.950, 173.086



83, 57.664, 171.826

Inverse Universe

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



23, 23.613, 11.185



28, 35.146, 14.200



26, 20.165, 49.057



16, 2.193, 4.863



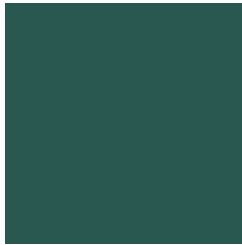
21, 48.236, 27.347



49, 88.691, 31.253

Previews

White Background



This preview shows how the CIELCh color 34, 18.823, 179.301 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 18.823, 179.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

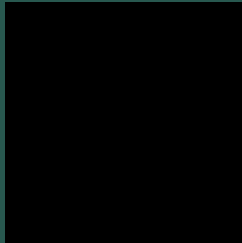
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 18.823, 179.301

Background



This preview shows how black text looks on a background with the CIELCh color 34, 18.823, 179.301.



This preview shows how white text looks on a background with the CIELCh color 34, 18.823, 179.301.

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

34, 18.823, 179.301

Protanopia

34, 3.391, 86.491

Deuteranopia

34, 5.031, 350.331



Tritanopia
34, 14.893, 214.911

Trichromacy



Original Color
34, 18.823, 179.301

Protanomaly
33, 7.446, 167.911

Deuteranomaly
33, 4.666, 191.019

Tritanomaly
34, 15.764, 199.616

Monochromacy



Original Color
34, 18.823, 179.301

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 7.389, 183.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 18.823, 179.301 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(40, 88, 79)` looks like.

```
.text, #text, p{  
    color:rgb(40, 88, 79)  
}
```

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(40, 88, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 88, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 18.823, 179.301 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(40, 88, 79) }
```

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

```
.border{ border-color:rgb(40, 88, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 88, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 88, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 88, 79);  
box-shadow:4px 4px 4px 4px rgb(40, 88, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 18.823, 179.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 88, 79) }
```

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

```
.background{ background-color: rgb(40, 88,  
79) }
```

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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