

Converting Colors

CIELCh(34, 17.733, 200.291)

Have a look what the booklet for
CIELCh(34, 17.733, 200.291)
contains.

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Color

CIELCh(34, 17.790, 199.109)

Conversions

Conversions Part 1

Format	Color
Hex	245859
RGB	36, 88, 89
RGB Percent	14%, 35%, 35%
CMY	0.8603, 0.6562, 0.6523
CMYK	0.60, 0.01, 0.00, 0.65
HSL	181°, 43%, 24%
HSV	181°, 60%, 35%
XYZ	5.9658, 8.0082, 10.6089
YIQ	72.5660, -31.3130, -10.7130

Conversions

Conversions Part 2

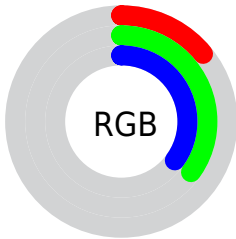
Format	Color
R_{YB}	36, 62, 89
Decimal	2381913
CIE _{Lab}	34.00, -16.81, -5.82
CIE _{LCh}	34, 17.790, 199.109
Yxy	8.0082, 0.2427, 0.3258
Android (android.graphics.Color)	4280571993 (0xFF245859)
YUV	72.5660, 8.1020, -32.0684
Hunter-Lab	28.2988, -11.8923, -2.4179




Details

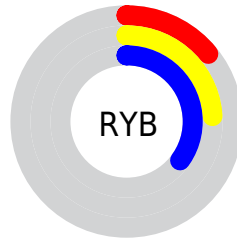
The CIELCh color **34, 17.790, 199.109** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 26.928, 27.354**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 17.759, 199.575**, and **15, 13.965, 202.420** is the 20% darker color. If you saturate the color by 10%, you get **34, 19.566, 199.010**, and if you desaturate by 10%, it is **34, 15.603, 199.281**.

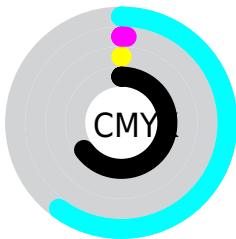
Distribution







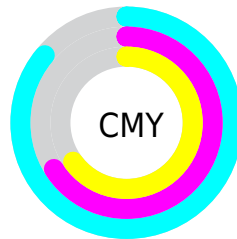
-  Red (14%)
-  Green (35%)
-  Blue (35%)






-  Red (14%)
-  Yellow (24%)
-  Blue (35%)



-  Cyan (60%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (65%)




-  Cyan (86%)
-  Magenta (66%)
-  Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 17.790, 199.109 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, 17.790, 199.109 by changing the saturation by 10% instead.


 34, 17.790,
199.109


 34, 17.790,
199.109

 100, 17.790,
199.109


 24, 17.790,
199.109

 54, 17.790,
199.109


 14, 17.790,
199.109


 64, 17.790,
199.109

 4, 17.790, 199.109

 74, 17.790,
199.109

 0, 17.790, 199.109

 84, 17.790,
199.109

 94, 17.790,
199.109

■ 34, 17.790,
199.109

■ 34, 17.790,
199.109

■ 34, 19.566,
199.010

■ 34, 15.603,
199.281

■ 33, 20.914,
198.995

■ 35, 13.038,
199.527

■ 33, 21.839,
199.062

■ 36, 10.138,
199.838

■ 33, 22.611,
199.152

■ 36, 6.954, 200.211

■ 33, 22.626,
199.154

■ 37, 3.535, 200.660

■ 38, 0.069, 16.548

■ 39, 3.814, 21.413

■ 40, 7.661, 21.953

■ 41, 11.577, 22.484

Harmonies

Complementary

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



34, 17.790, 199.109



22, 26.928, 27.354

Rectangle

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



34, 17.790, 199.109



34, 17.790, 249.109



34, 17.790, 19.109



34, 17.790, 69.109

Sweetspot

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



34, 17.790, 199.107



47, 7.841, 200.262



33, 38.607, 140.195



24, 5.461, 200.181



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, 17.790, 199.107



43, 24.240, 198.993



25, 19.420, 268.234



17, 1.984, 200.716



40, 25.806, 199.222



83, 45.798, 199.419

Inverse Universe

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



24, 38.222, 327.817



29, 54.079, 328.329



29, 22.389, 70.123



16, 3.639, 325.366



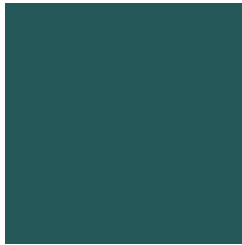
24, 60.184, 328.958



55, 106.886, 329.008

Previews

White Background



This preview shows how the CIELCh color 34, 17.790, 199.109 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 CIELCh color 34, 17.790, 199.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

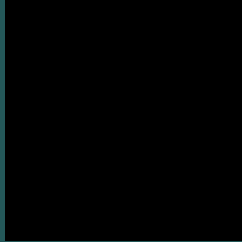
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 17.790, 199.109

Background



This preview shows how black text looks on a background with the CIELCh color 34, 17.790, 199.109.



This preview shows how white text looks on a background with the CIELCh color 34, 17.790, 199.109.

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, 17.790, 199.109

Protanopia

34, 2.556, 300.178

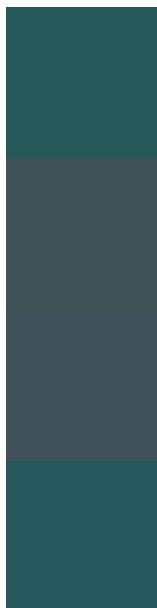
Deuteranopia

34, 8.359, 302.880



Tritanopia
34, 16.851, 212.601

Trichromacy



Original Color
34, 17.790, 199.109

Protanomaly
34, 7.394, 213.325

Deuteranomaly
34, 8.197, 236.682

Tritanomaly
34, 17.058, 207.953

Monochromacy



Original Color
34, 17.790, 199.109

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 7.744, 198.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 17.790, 199.109 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(36, 88, 89)` looks like.

```
.text, #text, p{  
    color:rgb(36, 88, 89)  
}
```

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(36, 88, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 88, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 17.790, 199.109 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(36, 88, 89) }
```

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

```
.border{ border-color:rgb(36, 88, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 88, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 88, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 88, 89);  
box-shadow:4px 4px 4px 4px rgb(36, 88, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 17.790, 199.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 88, 89) }
```

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

```
.background{ background-color: rgb(36, 88,  
89) }
```

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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