

Converting Colors

CIELCh(34, 17.062, 229.226)

Have a look what the booklet for
CIELCh(34, 17.062, 229.226)
contains.

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Color

CIELCh(34, 17.048, 229.013)

Conversions

Conversions Part 1

Format	Color
Hex	285664
RGB	40, 86, 100
RGB Percent	16%, 34%, 39%
CMY	0.8435, 0.6631, 0.6082
CMYK	0.60, 0.14, 0.00, 0.61
HSL	194°, 43%, 27%
HSV	194°, 60%, 39%
XYZ	6.4873, 8.0082, 13.2365
YIQ	73.8420, -31.9100, -5.3980

Conversions

Conversions Part 2

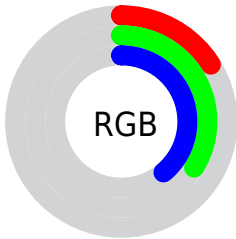
Format	Color
R_{YB}	40, 66, 100
Decimal	2643556
CIE _{Lab}	34.00, -11.18, -12.87
CIE _{LCh}	34, 17.048, 229.013
Yxy	8.0082, 0.2339, 0.2888
Android (android.graphics.Color)	4280833636 (0xFF285664)
YUV	73.8420, 12.8959, -29.6794
Hunter-Lab	28.2988, -8.6033, -7.9231




Details

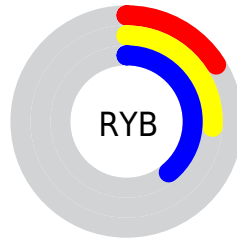
The CIELCh color **34, 17.048, 229.013** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 25.997, 43.000**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 17.140, 228.684**, and **15, 14.407, 233.956** is the 20% darker color. If you saturate the color by 10%, you get **33, 18.850, 231.051**, and if you desaturate by 10%, it is **35, 14.892, 227.397**.

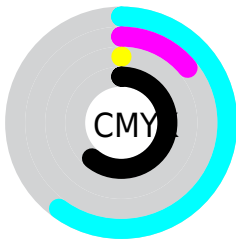
Distribution







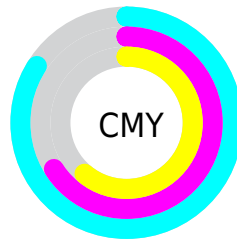
-  Red (16%)
-  Green (34%)
-  Blue (39%)






-  Red (16%)
-  Yellow (26%)
-  Blue (39%)



-  Cyan (60%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (61%)





-  Cyan (84%)
-  Magenta (66%)
-  Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 17.048, 229.013 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, 17.048, 229.013 by changing the saturation by 10% instead.


 34, 17.048,
229.013


 34, 17.048,
229.013

 100, 17.048,
229.013


 24, 17.048,
229.013

 54, 17.048,
229.013


 14, 17.048,
229.013


 64, 17.048,
229.013

 4, 17.048, 229.013

 74, 17.048,
229.013

 0, 17.048, 229.013

 84, 17.048,
229.013

 94, 17.048,
229.013

■ 34, 17.048,
229.013

■ 34, 17.048,
229.013

■ 33, 18.850,
231.051

■ 35, 14.892,
227.397

■ 32, 20.290,
233.590

■ 37, 12.409,
226.136

■ 31, 21.386,
236.694

■ 38, 9.639, 225.164

■ 30, 22.374,
239.919

■ 39, 6.623, 224.430

■ 41, 3.405, 223.912

■ 42, 0.023, 237.359

■ 44, 3.488, 43.005

■ 46, 7.096, 42.842

■ 47, 10.777, 42.719

Harmonies

Complementary

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



34, 17.048, 229.013



28, 25.997, 43.000

Rectangle

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



34, 17.048, 229.013



34, 17.048, 279.013



34, 17.048, 49.013



34, 17.048, 99.013

Sweetspot

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



34, 17.048, 229.012



51, 7.411, 224.336



37, 37.232, 145.787



26, 5.160, 224.471



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



34, 17.048, 229.012



42, 23.500, 232.016



25, 28.549, 285.421



20, 1.937, 223.870



34, 24.745, 240.684



70, 43.430, 243.577

Inverse Universe

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



26, 36.581, 335.725



32, 51.654, 336.874



36, 27.502, 87.630



20, 3.594, 332.218



25, 53.947, 339.631



55, 92.646, 340.511

Previews

White Background



This preview shows how the CIE LCh color 34, 17.048, 229.013 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, 17.048, 229.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

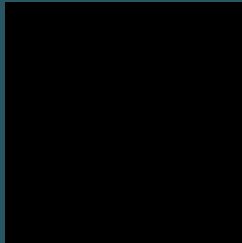
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 17.048, 229.013

Background



This preview shows how black text looks on a background with the CIELCh color 34, 17.048, 229.013.



This preview shows how white text looks on a background with the CIELCh color 34, 17.048, 229.013.

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, 17.048, 229.013

Protanopia

34, 10.088, 285.140

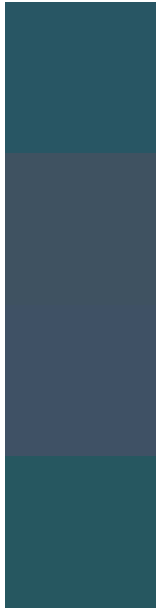
Deuteranopia

34, 15.079, 289.832



Tritanopia
34, 17.075, 212.371

Trichromacy



Original Color
34, 17.048, 229.013

Protanomaly
34, 11.556, 253.771

Deuteranomaly
34, 13.922, 264.078

Tritanomaly
34, 16.968, 217.039

Monochromacy



Original Color
34, 17.048, 229.013

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 7.065, 225.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 17.048, 229.013 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, 86, 100)` looks like.

```
.text, #text, p{  
    color:rgb(40, 86, 100)  
}
```

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, 86, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 86, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 17.048, 229.013 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, 86, 100) }
```

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

```
.border{ border-color:rgb(40, 86, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 86, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 86, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 86, 100);  
box-shadow:4px 4px 4px 4px rgb(40, 86,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 17.048, 229.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 86, 100) }
```

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

```
.background{ background-color: rgb(40, 86,  
100) }
```

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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