

Converting Colors

CIELCh(34, 18.132, 167.587)

Have a look what the booklet for
CIELCh(34, 18.132, 167.587)
contains.

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Color

CIELCh(34, 18.003, 167.712)

Conversions

Conversions Part 1

Format	Color
Hex	305749
RGB	48, 87, 73
RGB Percent	19%, 34%, 29%
CMY	0.8102, 0.6572, 0.7122
CMYK	0.45, 0.00, 0.16, 0.66
HSL	158°, 29%, 27%
HSV	158°, 45%, 34%
XYZ	5.8958, 8.0082, 7.6079
YIQ	73.7430, -18.7500, -12.6220

Conversions

Conversions Part 2

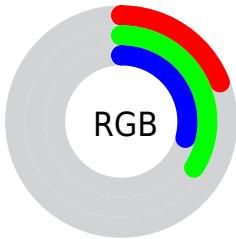
Format	Color
R_{YB}	48, 72, 87
Decimal	3168073
CIE Lab	34.00, -17.59, 3.83
CIE LCh	34, 18.003, 167.712
Yxy	8.0082, 0.2741, 0.3723
Android (android.graphics.Color)	4281358153 (0xFF305749)
YUV	73.7430, -0.3663, -22.5766
Hunter-Lab	28.2988, -12.3341, 3.8696

Details

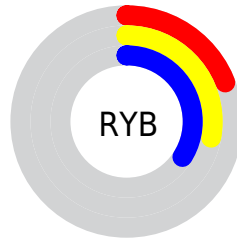
The CIELCh color $[34, 18.003, 167.712]$ is a dark color, and the websafe version is hex $\#336666$. A complement of this color would be $[25, 19.826, 356.800]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 17.928, 168.728]$, and $[14, 17.992, 167.100]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 21.565, 166.489]$, and if you desaturate by 10%, it is $[35, 14.202, 168.821]$.

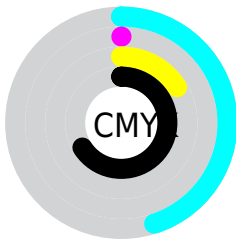
Distribution



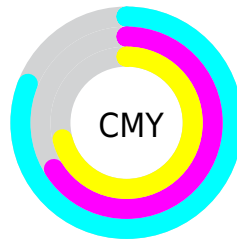
- Red (19%)
- Green (34%)
- Blue (29%)



- Red (19%)
- Yellow (28%)
- Blue (34%)



- Cyan (45%)
- Magenta (0%)
- Yellow (16%)
- Black (66%)




- Cyan (81%)
- Magenta (66%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 18.003, 167.712 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, 18.003, 167.712 by changing the saturation by 10% instead.


 34, 18.003,
167.712


 34, 18.003,
167.712

 100, 18.003,
167.712


 24, 18.003,
167.712

 54, 18.003,
167.712


 14, 18.003,
167.712


 64, 18.003,
167.712

 4, 18.003, 167.712

 74, 18.003,
167.712

 0, 18.003, 167.712

 84, 18.003,
167.712

 94, 18.003,
167.712

■ 34, 18.003,
167.712

■ 34, 18.003,
167.712

■ 34, 21.565,
166.489

■ 35, 14.202,
168.821

■ 33, 24.829,
165.134

■ 35, 10.221,
169.838

■ 33, 27.748,
163.628

■ 36, 6.116, 170.784

■ 32, 30.292,
161.955

■ 37, 1.940, 171.734

■ 38, 2.263, 352.297

■ 32, 32.532,
160.186

■ 39, 6.458, 353.125

■ 32, 33.738,
159.324

■ 40, 10.616,
353.853

■ 41, 14.716,
354.536

■ 42, 18.743,

Harmonies

Complementary

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



34, 18.003, 167.712



25, 19.826, 356.800

Rectangle

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



34, 18.003, 167.712



34, 18.003, 217.712



34, 18.003, 347.712



34, 18.003, 37.712

Sweetspot

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



34, 18.004, 167.711



47, 6.808, 170.892



34, 26.349, 131.642



24, 4.798, 170.751



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, 18.004, 167.711



44, 26.600, 166.332



33, 12.770, 212.804



17, 2.330, 171.323



40, 39.299, 158.693



83, 71.836, 157.084

Inverse Universe

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



25, 19.826, 356.800



31, 29.932, 358.643



26, 17.347, 33.535



16, 2.375, 352.661



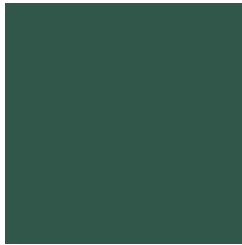
21, 44.873, 12.592



50, 80.667, 16.517

Previews

White Background



This preview shows how the CIELCh color 34, 18.003, 167.712 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, 18.003, 167.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

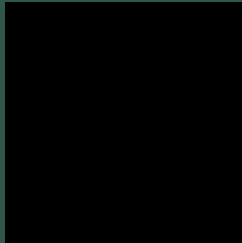
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 18.003, 167.712

Background



This preview shows how black text looks on a background with the CIELCh color 34, 18.003, 167.712.



This preview shows how white text looks on a background with the CIELCh color 34, 18.003, 167.712.

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, 18.003, 167.712

Protanopia
34, 6.506, 92.855

Deuteranopia
34, 5.388, 26.789



Tritanopia
34, 12.410, 218.831

Trichromacy



Original Color
34, 18.003, 167.712

Protanomaly
34, 8.704, 145.955

Deuteranomaly
34, 4.862, 148.157

Tritanomaly
34, 13.327, 194.874

Monochromacy



Original Color
34, 18.003, 167.712

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 6.793, 170.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 18.003, 167.712 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(48, 87, 73)` looks like.

```
.text, #text, p{  
    color:rgb(48, 87, 73)  
}
```

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(48, 87, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 87, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 18.003, 167.712 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(48, 87, 73) }
```

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

```
.border{ border-color:rgb(48, 87, 73) }
```

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

Here you see how a box with a 4 pixel rgb(48, 87, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 87, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 87, 73);  
box-shadow:4px 4px 4px 4px rgb(48, 87, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 18.003, 167.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 87, 73) }
```

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

```
.background{ background-color: rgb(48, 87,  
73) }
```

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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