

Converting Colors

CIELCh(34, 18.514, 301.529)

Have a look what the booklet for
CIELCh(34, 18.514, 301.529)
contains.

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Color

CIELCh(34, 18.476, 301.510)

Conversions

Conversions Part 1

Format	Color
Hex	534C69
RGB	83, 76, 105
RGB Percent	33%, 30%, 41%
CMY	0.6749, 0.7023, 0.5886
CMYK	0.21, 0.28, 0.00, 0.59
HSL	254°, 16%, 35%
HSV	254°, 28%, 41%
XYZ	8.6812, 8.0082, 14.4259
YIQ	81.3990, -5.1370, 10.5030

Conversions

Conversions Part 2

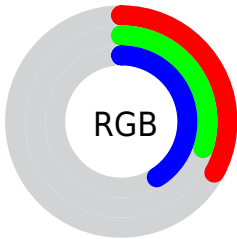
Format	Color
R_{YB}	83, 76, 105
Decimal	5459049
CIE _{Lab}	34.00, 9.66, -15.75
CIE _{LCh}	34, 18.476, 301.510
Yxy	8.0082, 0.2790, 0.2574
Android (android.graphics.Color)	4283649129 (0xFF534C69)
YUV	81.3990, 11.6353, 1.4041
Hunter-Lab	28.2988, 5.2356, -10.4151

Details

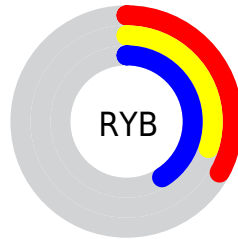
The CIELCh color $[34, 18.476, 301.510]$ is a dark color, and the websafe version is hex `#666699`. A complement of this color would be $[43, 17.488, 117.921]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 18.199, 301.551]$, and $[14, 18.683, 301.147]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 25.592, 302.384]$, and if you desaturate by 10%, it is $[38, 11.587, 300.730]$.

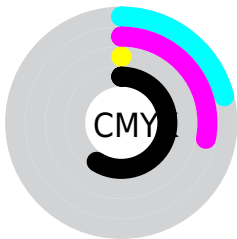
Distribution



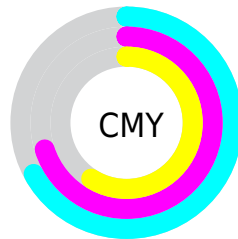
- Red (33%)
- Green (30%)
- Blue (41%)



- Red (33%)
- Yellow (30%)
- Blue (41%)



- Cyan (21%)
- Magenta (28%)
- Yellow (0%)
- Black (59%)





- Cyan (67%)
- Magenta (70%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 18.476, 301.510 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, 18.476, 301.510 by changing the saturation by 10% instead.


 34, 18.476,
301.510


 34, 18.476,
301.510

 100, 18.476,
301.510


 24, 18.476,
301.510

 54, 18.476,
301.510


 14, 18.476,
301.510


 64, 18.476,
301.510

 4, 18.476, 301.510

 74, 18.476,
301.510

 0, 18.476, 301.510

 84, 18.476,
301.510

 94, 18.476,
301.510

■ 34, 18.476,
301.510

■ 34, 18.476,
301.510

■ 30, 25.592,
302.384

■ 38, 11.587,
300.730

■ 27, 32.908,
303.347

■ 42, 4.934, 300.041

■ 23, 40.349,
304.377

■ 45, 1.490, 119.455

■ 49, 7.695, 118.922

■ 19, 47.754,
305.425

■ 53, 13.693,
118.466

■ 16, 54.811,
306.402

■ 56, 19.494,
118.070

■ 14, 61.005,
307.168


■ 60, 25.113,
117.727

■ 11, 66.402,
307.835

■ 64, 30.558,
117.431

■ 11, 67.811,

308.076

 67, 35.842,
117.174

Harmonies

Complementary

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



34, 18.476, 301.510



43, 17.488, 117.921

Rectangle

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



34, 18.476, 301.510



34, 18.476, 351.510



34, 18.476, 121.510



34, 18.476, 171.510

Sweetspot

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



34, 18.475, 301.509



53, 6.368, 300.079



40, 9.291, 224.988



27, 4.570, 300.158



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



34, 18.475, 301.509



41, 27.453, 302.045



35, 19.996, 317.893



20, 3.700, 300.129



13, 73.518, 307.968



33, 127.320, 307.511

Inverse Universe

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



36, 18.137, 333.745



44, 26.629, 334.172



42, 19.662, 135.530



21, 3.724, 332.525



25, 54.474, 340.163



55, 92.834, 341.062

Previews

White Background



This preview shows how the CIE LCh color 34, 18.476, 301.510 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, 18.476, 301.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

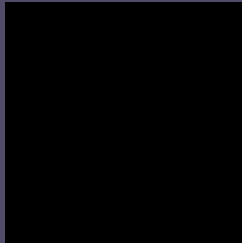
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 18.476, 301.510

Background



This preview shows how black text looks on a background with the CIELCh color 34, 18.476, 301.510.

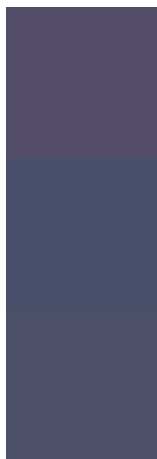


This preview shows how white text looks on a background with the CIELCh color 34, 18.476, 301.510.

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

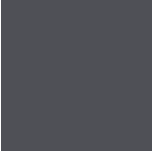
34, 18.476, 301.510

Protanopia

34, 17.663, 284.794

Deuteranopia

34, 15.707, 287.320



Tritanopia
34, 3.779, 284.488

Trichromacy



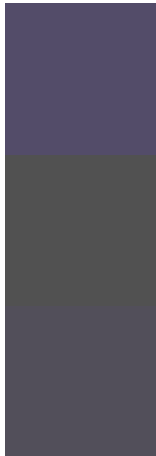
Original Color
34, 18.476, 301.510

Protanomaly
34, 17.573, 290.693

Deuteranomaly
34, 16.322, 292.909

Tritanomaly
34, 8.803, 294.300

Monochromacy



Original Color
34, 18.476, 301.510

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 7.032, 301.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 18.476, 301.510 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(83, 76, 105)` looks like.

```
.text, #text, p{  
    color:rgb(83, 76, 105)  
}
```

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(83, 76, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 76, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 18.476, 301.510 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(83, 76, 105) }
```

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

```
.border{ border-color:rgb(83, 76, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 76, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 76, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 76, 105);  
box-shadow:4px 4px 4px 4px rgb(83, 76,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 18.476, 301.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 76, 105) }
```

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

```
.background{ background-color: rgb(83, 76,  
105) }
```

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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