

Converting Colors

CIELCh(34, 21.467, 165.454)

Have a look what the booklet for
CIELCh(34, 21.467, 165.454)
contains.

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Color

CIELCh(34, 21.680, 165.200)

Conversions

Conversions Part 1

Format	Color
Hex	2A5947
RGB	42, 89, 71
RGB Percent	16%, 35%, 28%
CMY	0.8369, 0.6526, 0.7231
CMYK	0.53, 0.00, 0.20, 0.65
HSL	157°, 36%, 26%
HSV	157°, 53%, 35%
XYZ	5.5997, 8.0082, 7.1448
YIQ	72.8950, -22.2340, -15.5620

Conversions

Conversions Part 2

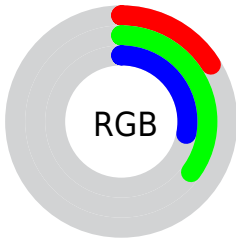
Format	Color
R_{YB}	42, 71, 89
Decimal	2775367
CIE _{Lab}	34.00, -20.96, 5.54
CIE _{LCh}	34, 21.680, 165.200
Yxy	8.0082, 0.2698, 0.3859
Android (android.graphics.Color)	4280965447 (0xFF2A5947)
YUV	72.8950, -0.9342, -27.0949
Hunter-Lab	28.2988, -14.2017, 4.8399




Details

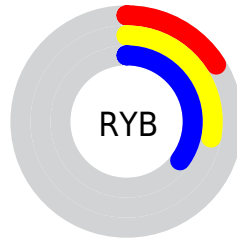
The CIELCh color **34, 21.680, 165.200** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 23.998, 356.539**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 21.635, 165.097**, and **14, 19.986, 163.234** is the 20% darker color. If you saturate the color by 10%, you get **34, 25.128, 163.853**, and if you desaturate by 10%, it is **35, 17.945, 166.412**.

Distribution







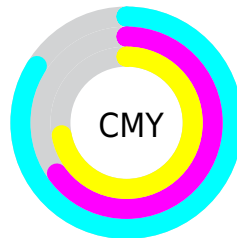
-  Red (16%)
-  Green (35%)
-  Blue (28%)






-  Red (16%)
-  Yellow (28%)
-  Blue (35%)



-  Cyan (53%)
-  Magenta (0%)
-  Yellow (20%)
-  Black (65%)





-  Cyan (84%)
-  Magenta (65%)
-  Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 21.680, 165.200 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, 21.680, 165.200 by changing the saturation by 10% instead.


 34, 21.680,
165.200


 34, 21.680,
165.200

 100, 21.680,
165.200


 24, 21.680,
165.200

 54, 21.680,
165.200


 14, 21.680,
165.200


 64, 21.680,
165.200

 4, 21.680, 165.200

 74, 21.680,
165.200

 0, 21.680, 165.200

 84, 21.680,
165.200

 94, 21.680,
165.200

■ 34, 21.680,
165.200

■ 34, 21.680,
165.200

■ 34, 25.128,
163.853

■ 35, 17.945,
166.412

■ 33, 28.235,
162.353

■ 35, 13.982,
167.511

■ 33, 30.967,
160.684

■ 36, 9.852, 168.516

■ 33, 33.352,
158.879

■ 37, 5.613, 169.450

■ 37, 1.317, 170.441

■ 33, 34.986,
157.735

■ 38, 2.994, 350.957

■ 39, 7.284, 351.744

■ 40, 11.526,
352.452

■ 41, 15.700,
353.116

Harmonies

Complementary

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



34, 21.680, 165.200



24, 23.998, 356.539

Rectangle

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



34, 21.680, 165.200



34, 21.680, 215.200



34, 21.680, 345.200



34, 21.680, 35.200

Sweetspot

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



34, 21.680, 165.199



47, 8.498, 169.133



34, 31.279, 130.731



24, 5.779, 169.017



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, 21.680, 165.199



43, 31.298, 163.420



33, 14.924, 211.036



17, 2.365, 169.844



39, 40.370, 157.141



83, 73.883, 155.517

Inverse Universe

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



24, 23.998, 356.539



29, 35.204, 359.019



25, 21.759, 32.948



16, 2.408, 351.170



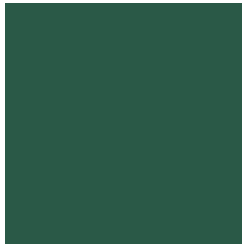
21, 44.704, 10.446



50, 80.096, 14.264

Previews

White Background



This preview shows how the CIELCh color 34, 21.680, 165.200 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, 21.680, 165.200 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, 21.680, 165.200

Background



This preview shows how black text looks on a background with the CIELCh color 34, 21.680, 165.200.

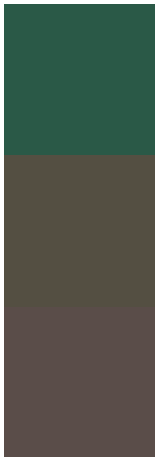


This preview shows how white text looks on a background with the CIELCh color 34, 21.680, 165.200.

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, 21.680, 165.200

Protanopia

34, 8.440, 92.912

Deuteranopia

34, 6.403, 43.035



Tritanopia
34, 14.097, 216.012

Trichromacy



Original Color
34, 21.680, 165.200

Protanomaly
33, 10.517, 141.649

Deuteranomaly
33, 6.915, 143.864

Tritanomaly
34, 15.288, 192.592

Monochromacy



Original Color
34, 21.680, 165.200

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 8.567, 166.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 21.680, 165.200 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(42, 89, 71)` looks like.

```
.text, #text, p{  
    color:rgb(42, 89, 71)  
}
```

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(42, 89, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 89, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 21.680, 165.200 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(42, 89, 71) }
```

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

```
.border{ border-color:rgb(42, 89, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 89, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 89, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 89, 71);  
box-shadow:4px 4px 4px 4px rgb(42, 89, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 21.680, 165.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 89, 71) }
```

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

```
.background{ background-color: rgb(42, 89,  
71) }
```

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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