

Converting Colors

CIELCh(35, 16.989, 145.879)

Have a look what the booklet for
CIELCh(35, 16.989, 145.879)
contains.

CIELCh(35, 16.749, 146.287)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 16.749, 146.287)

Conversions

Conversions Part 1

Format	Color
Hex	405843
RGB	64, 88, 67
RGB Percent	25%, 35%, 26%
CMY	0.7486, 0.6544, 0.7368
CMYK	0.27, 0.00, 0.24, 0.65
HSL	127°, 16%, 30%
HSV	127°, 27%, 35%
XYZ	6.6369, 8.4984, 6.6178
YIQ	78.4300, -7.5630, -11.6190

Conversions

Conversions Part 2

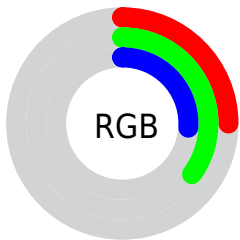
Format	Color
RYB	64, 85, 88
Decimal	4216899
CIELab	35.00, -13.93, 9.30
CIElCh	35, 16.749, 146.287
Yxy	8.4984, 0.3051, 0.3907
Android (android.graphics.Color)	4282406979 (0xFF405843)
YUV	78.4300, -5.6350, -12.6551
Hunter-Lab	29.1520, -10.3775, 6.9469

Details


The CIELCh color $[35, 16.749, 146.287]$ is a dark color, and the websafe version is hex $\#336666$. A complement of this color would be $[30, 16.783, 329.523]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 16.853, 146.549]$, and $[15, 16.478, 146.425]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 22.841, 145.446]$, and if you desaturate by 10%, it is $[36, 10.584, 147.021]$.

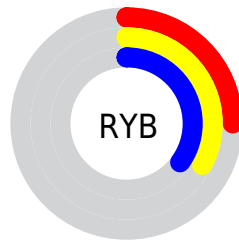
Distribution



 Red (25%)

 Green (35%)

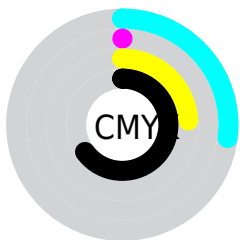
 Blue (26%)




 Red (25%)

 Yellow (33%)

 Blue (35%)

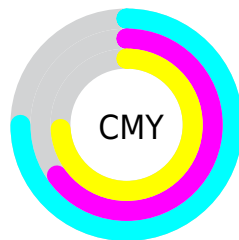


 Cyan (27%)

 Magenta (0%)

 Yellow (24%)

 Black (65%)



 Cyan (75%)


 Magenta (65%)


 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 16.749, 146.287 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 35, 16.749, 146.287 by changing the saturation by 10% instead.


 35, 16.749,
146.287


 35, 16.749,
146.287

 100, 16.749,
146.287


 25, 16.749,
146.287

 55, 16.749,
146.287


 15, 16.749,
146.287


 65, 16.749,
146.287

 5, 16.749, 146.287

 75, 16.749,
146.287

 0, 16.749, 146.287

 85, 16.749,
146.287

 95, 16.749,
146.287

■ 35, 16.749,
146.287

■ 35, 16.749,
146.287

■ 34, 22.841,
145.446

■ 36, 10.584,
147.021

■ 34, 28.760,
144.486

■ 37, 4.421, 147.674

■ 38, 1.676, 328.089

■ 33, 34.389,
143.402

■ 39, 7.664, 328.639

■ 33, 39.599,
142.203

■ 40, 13.511,
329.062

■ 32, 44.248,
140.916

■ 41, 19.200,
329.427

■ 32, 48.192,
139.597

■ 42, 24.718,
329.747

■ 32, 51.432,
138.510

■ 44, 30.062,
330.030

■ 32, 52.224,

138.312

■ 45, 35.233,
330.280

Harmonies

Complementary

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



35, 16.749, 146.287



30, 16.783, 329.523

Rectangle

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



35, 16.749, 146.287



35, 16.749, 196.287



35, 16.749, 326.287



35, 16.749, 16.287

Sweetspot

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



35, 16.750, 146.287



47, 6.076, 147.609



37, 14.735, 112.774



24, 4.355, 147.540



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 16.750, 146.287



45, 25.195, 145.724



35, 11.552, 168.059



17, 3.374, 147.577



39, 60.410, 137.925



81, 109.658, 137.054

Inverse Universe

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



30, 16.783, 329.523



38, 25.230, 329.908



30, 12.180, 352.978



16, 3.382, 328.483



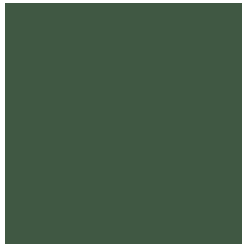
23, 55.607, 333.610



54, 98.238, 334.023

Previews

White Background



This preview shows how the CIELCh color 35, 16.749, 146.287 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 35, 16.749, 146.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

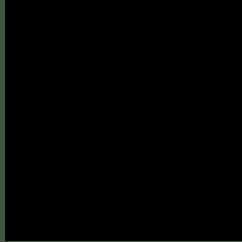
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 16.749, 146.287

Background



This preview shows how black text looks on a background with the CIELCh color 35, 16.749, 146.287.



This preview shows how white text looks on a background with the CIELCh color 35, 16.749, 146.287.

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](#).

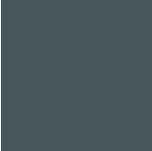
Dichromacy



Original Color
35, 16.749, 146.287

Protanopia
35, 11.398, 96.479

Deuteranopia
35, 9.733, 59.577



Tritanopia
35, 7.546, 234.254

Trichromacy



Original Color
35, 16.749, 146.287

Protanomaly
35, 11.977, 119.144

Deuteranomaly
35, 8.737, 102.686

Tritanomaly
35, 8.042, 184.794

Monochromacy



Original Color
35, 16.749, 146.287

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 5.620, 147.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 16.749, 146.287 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(64, 88, 67)` looks like.

```
.text, #text, p{  
    color:rgb(64, 88, 67)  
}
```

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(64, 88, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 88, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 16.749, 146.287 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(64, 88, 67) }
```

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

```
.border{ border-color:rgb(64, 88, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 88, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 88, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 88, 67);  
box-shadow:4px 4px 4px 4px rgb(64, 88, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 16.749, 146.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 88, 67) }
```

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

```
.background{ background-color: rgb(64, 88,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor