

Converting Colors

CIELCh(36, 42.017, 145.185)

Have a look what the booklet for
CIELCh(36, 42.017, 145.185)
contains.

CIELCh(36, 41.874, 145.223)	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(36, 41.874, 145.223)

Conversions

Conversions Part 1

Format	Color
Hex	1A612C
RGB	26, 97, 44
RGB Percent	10%, 38%, 17%
CMY	0.8967, 0.6185, 0.8265
CMYK	0.73, 0.00, 0.55, 0.62
HSL	135°, 57%, 24%
HSV	135°, 73%, 38%
XYZ	5.1943, 9.0082, 3.8723
YIQ	69.7290, -25.3030, -31.5350

Conversions

Conversions Part 2

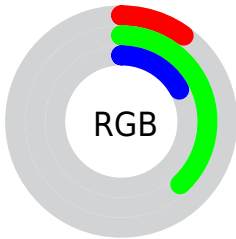
Format	Color
R_{YB}	26, 83, 97
Decimal	1728812
CIE _{Lab}	36.00, -34.39, 23.88
CIE _{LCh}	36, 41.874, 145.223
Yxy	9.0082, 0.2874, 0.4984
Android (android.graphics.Color)	4279918892 (0xFF1A612C)
YUV	69.7290, -12.6844, -38.3503
Hunter-Lab	30.0136, -21.6315, 13.3600

Details

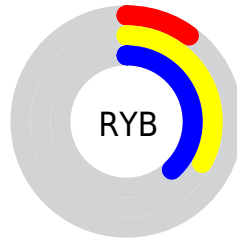
The CIELCh color **36, 41.874, 145.223** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 40.965, 337.664**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 41.664, 145.462**, and **16, 35.584, 139.332** is the 20% darker color. If you saturate the color by 10%, you get **36, 46.249, 143.664**, and if you desaturate by 10%, it is **36, 36.957, 146.644**.

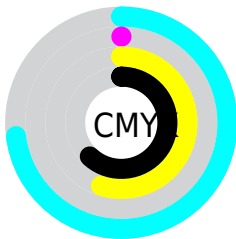
Distribution



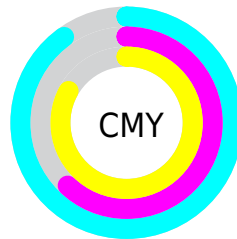
- Red (10%)
- Green (38%)
- Blue (17%)



- Red (10%)
- Yellow (33%)
- Blue (38%)



- Cyan (73%)
- Magenta (0%)
- Yellow (55%)
- Black (62%)




- Cyan (90%)
- Magenta (62%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 41.874, 145.223 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 36, 41.874, 145.223 by changing the saturation by 10% instead.


 36, 41.874,
145.223


 36, 41.874,
145.223

 100, 41.874,
145.223


 26, 41.874,
145.223

 56, 41.874,
145.223


 16, 41.874,
145.223


 66, 41.874,
145.223

 6, 41.874, 145.223

 76, 41.874,
145.223

 0, 41.874, 145.223

 86, 41.874,
145.223

 96, 41.874,
145.223

■ 36, 41.874,
145.223

■ 36, 41.874,
145.223

■ 36, 46.249,
143.664

■ 36, 36.957,
146.644

■ 35, 50.019,
142.028

■ 37, 31.598,
147.912

■ 35, 52.455,
141.054

■ 38, 25.903,
149.030

■ 38, 19.981,
150.010

■ 39, 13.928,
150.868

■ 40, 7.829, 151.624

■ 41, 1.754, 152.363

■ 42, 4.245, 332.784

■ 43, 10.129,
333.319

Harmonies

Complementary

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



36, 41.874, 145.223



23, 40.965, 337.664

Rectangle

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



36, 41.874, 145.223



36, 41.874, 195.223



36, 41.874, 325.223



36, 41.874, 15.223

Sweetspot

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



36, 41.874, 145.223



51, 16.704, 150.887



38, 40.605, 116.213



25, 11.127, 150.749



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



36, 41.874, 145.223



46, 59.210, 142.547



37, 26.687, 171.731



19, 3.382, 151.910



41, 58.487, 140.699



83, 105.177, 139.488

Inverse Universe

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



23, 40.965, 337.664



29, 55.296, 339.376



22, 33.969, 11.257



18, 3.395, 332.930



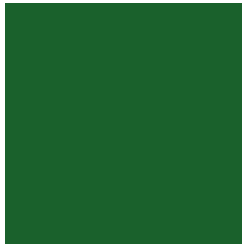
24, 52.421, 340.783



54, 90.671, 341.801

Previews

White Background



This preview shows how the CIELCh color 36, 41.874, 145.223 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 36, 41.874, 145.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

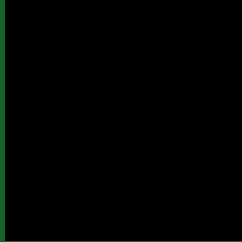
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 41.874, 145.223

Background



This preview shows how black text looks on a background with the CIELCh color 36, 41.874, 145.223.



This preview shows how white text looks on a background with the CIELCh color 36, 41.874, 145.223.

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](#).

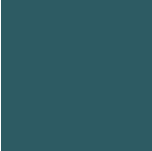
Dichromacy



Original Color
36, 41.874, 145.223

Protanopia
36, 26.919, 96.051

Deuteranopia
36, 22.709, 78.138



Tritanopia
36, 16.269, 215.495

Trichromacy



Original Color
36, 41.874, 145.223

Protanomaly
35, 29.664, 124.071

Deuteranomaly
35, 24.852, 119.376

Tritanomaly
36, 22.136, 173.277

Monochromacy



Original Color
36, 41.874, 145.223

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 16.576, 150.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 41.874, 145.223 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(26, 97, 44)` looks like.

```
.text, #text, p{  
    color:rgb(26, 97, 44)  
}
```

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(26, 97, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 97, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 41.874, 145.223 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(26, 97, 44) }
```

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

```
.border{ border-color:rgb(26, 97, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 97, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 97, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 97, 44);  
box-shadow:4px 4px 4px 4px rgb(26, 97, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 41.874, 145.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 97, 44) }
```

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

```
.background{ background-color: rgb(26, 97,  
44) }
```

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