

Converting Colors

CIELCh(36, 18.046, 234.701)

Have a look what the booklet for
CIELCh(36, 18.046, 234.701)
contains.

CIELCh(36, 18.007, 234.061)	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, 18.007, 234.061)

Conversions

Conversions Part 1

Format	Color
Hex	2C5B6C
RGB	44, 91, 108
RGB Percent	17%, 36%, 42%
CMY	0.8293, 0.6448, 0.5782
CMYK	0.60, 0.16, 0.00, 0.58
HSL	196°, 42%, 30%
HSV	196°, 60%, 42%
XYZ	7.4070, 9.0082, 15.4136
YIQ	78.8850, -33.4690, -4.6770

Conversions

Conversions Part 2

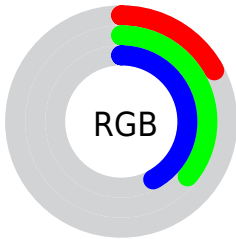
Format	Color
R_{YB}	44, 71, 108
Decimal	2906988
CIE _{Lab}	36.00, -10.57, -14.58
CIE _{LCh}	36, 18.007, 234.061
Yxy	9.0082, 0.2327, 0.2830
Android (android.graphics.Color)	4281097068 (0xFF2C5B6C)
YUV	78.8850, 14.3537, -30.5941
Hunter-Lab	30.0136, -8.4719, -9.4390

Details

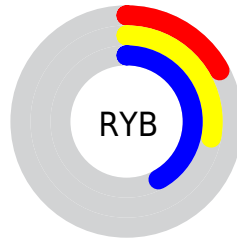
The CIELCh color **36, 18.007, 234.061** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 26.951, 45.792**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 17.828, 233.828**, and **17, 16.140, 241.926** is the 20% darker color. If you saturate the color by 10%, you get **35, 20.018, 236.422**, and if you desaturate by 10%, it is **37, 15.649, 232.168**.

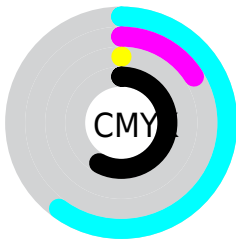
Distribution



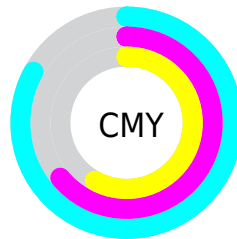
- Red (17%)
- Green (36%)
- Blue (42%)



- Red (17%)
- Yellow (28%)
- Blue (42%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (58%)





- Cyan (83%)
- Magenta (64%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 18.007, 234.061 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, 18.007, 234.061 by changing the saturation by 10% instead.


 36, 18.007,
234.061


 36, 18.007,
234.061

 100, 18.007,
234.061


 26, 18.007,
234.061

 56, 18.007,
234.061


 16, 18.007,
234.061


 66, 18.007,
234.061

 6, 18.007, 234.061

 76, 18.007,
234.061

 0, 18.007, 234.061

 86, 18.007,
234.061

 96, 18.007,
234.061

■ 36, 18.007,
234.061

■ 36, 18.007,
234.061

■ 35, 20.018,
236.422

■ 37, 15.649,
232.168

■ 33, 21.680,
239.331

■ 39, 12.971,
230.668

■ 32, 23.022,
242.846

■ 40, 10.008,
229.491

■ 31, 24.244,
246.596

■ 42, 6.802, 228.580

■ 31, 24.305,
246.765

■ 44, 3.396, 227.908

■ 46, 0.171, 45.312

■ 47, 3.864, 46.742

■ 49, 7.652, 46.461

■ 51, 11.512, 46.233

Harmonies

Complementary

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



36, 18.007, 234.061



31, 26.951, 45.792

Rectangle

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



36, 18.007, 234.061



36, 18.007, 284.061



36, 18.007, 54.061



36, 18.007, 104.061

Sweetspot

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



36, 18.006, 234.060



55, 7.817, 228.500



40, 38.244, 146.914



28, 5.443, 228.682



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 18.006, 234.060



45, 24.956, 237.357



26, 31.480, 287.490



21, 1.999, 227.879



34, 25.923, 247.268



69, 45.448, 250.311

Inverse Universe

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



29, 37.727, 337.155



35, 53.196, 338.389



39, 29.668, 90.149



21, 3.661, 333.440



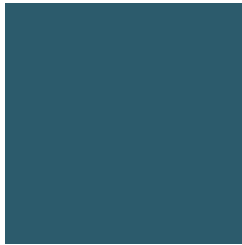
25, 53.596, 341.694



55, 91.282, 342.728

Previews

White Background



This preview shows how the CIELCh color 36, 18.007, 234.061 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, 18.007, 234.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

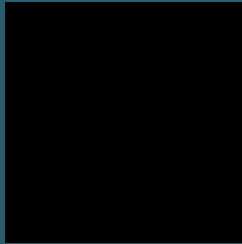
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 18.007, 234.061

Background



This preview shows how black text looks on a background with the CIELCh color 36, 18.007, 234.061.

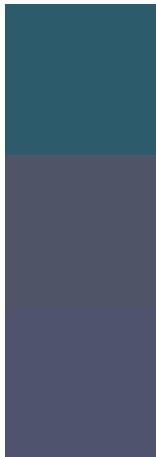


This preview shows how white text looks on a background with the CIELCh color 36, 18.007, 234.061.

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, 18.007, 234.061

Protanopia

36, 11.866, 284.626

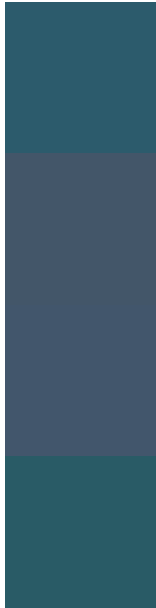
Deuteranopia

36, 16.195, 287.518



Tritanopia
36, 17.633, 211.741

Trichromacy



Original Color
36, 18.007, 234.061

Protanomaly
36, 13.448, 260.967

Deuteranomaly
36, 15.153, 264.142

Tritanomaly
36, 17.469, 220.789

Monochromacy



Original Color
36, 18.007, 234.061

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 7.911, 227.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 18.007, 234.061 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(44, 91, 108)` looks like.

```
.text, #text, p{  
    color:rgb(44, 91, 108)  
}
```

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(44, 91, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 91, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 18.007, 234.061 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(44, 91, 108) }
```

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

```
.border{ border-color:rgb(44, 91, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 91, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 91, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 91, 108);  
box-shadow:4px 4px 4px 4px rgb(44, 91,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 18.007, 234.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 91, 108) }
```

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

```
.background{ background-color: rgb(44, 91,  
108) }
```

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