

Converting Colors

CIELCh(36, 30.161, 158.210)

Have a look what the booklet for
CIELCh(36, 30.161, 158.210)
contains.

CIELCh(36, 30.374, 158.198)	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, 30.374, 158.198)

Conversions

Conversions Part 1

Format	Color
Hex	206042
RGB	32, 96, 66
RGB Percent	13%, 38%, 26%
CMY	0.8757, 0.6246, 0.7422
CMYK	0.67, 0.00, 0.31, 0.62
HSL	152°, 50%, 25%
HSV	152°, 67%, 38%
XYZ	5.7197, 9.0082, 6.5523
YIQ	73.4440, -28.5140, -22.8980

Conversions

Conversions Part 2

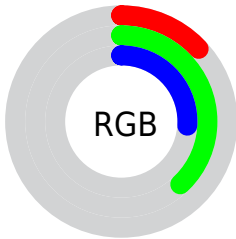
Format	Color
R_YB	32, 74, 96
Decimal	2121794
CIE Lab	36.00, -28.20, 11.28
CIE LCh	36, 30.374, 158.198
Yxy	9.0082, 0.2688, 0.4233
Android (android.graphics.Color)	4280311874 (0xFF206042)
YUV	73.4440, -3.6699, -36.3464
Hunter-Lab	30.0136, -18.5069, 8.0660




Details

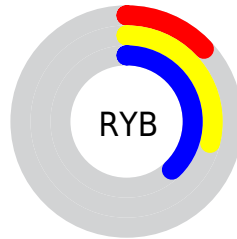
The CIELCh color **36, 30.374, 158.198** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **23, 32.531, 353.241**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 30.322, 158.275**, and **17, 26.260, 152.150** is the 20% darker color. If you saturate the color by 10%, you get **36, 33.913, 156.582**, and if you desaturate by 10%, it is **36, 26.454, 159.639**.

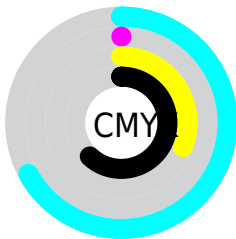
Distribution







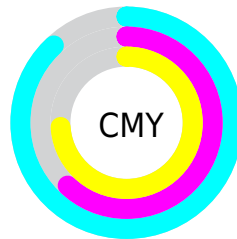
-  Red (13%)
-  Green (38%)
-  Blue (26%)






-  Red (13%)
-  Yellow (29%)
-  Blue (38%)



-  Cyan (67%)
-  Magenta (0%)
-  Yellow (31%)
-  Black (62%)





-  Cyan (88%)
-  Magenta (62%)
-  Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 30.374, 158.198 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, 30.374, 158.198 by changing the saturation by 10% instead.


 36, 30.374,
158.198


 36, 30.374,
158.198

 100, 30.374,
158.198


 26, 30.374,
158.198

 56, 30.374,
158.198


 16, 30.374,
158.198


 66, 30.374,
158.198

 6, 30.374, 158.198

 76, 30.374,
158.198

 0, 30.374, 158.198

 86, 30.374,
158.198

 96, 30.374,
158.198

■ 36, 30.374,
158.198

■ 36, 30.374,
158.198

■ 36, 33.913,
156.582

■ 36, 26.454,
159.639

■ 35, 37.034,
154.781

■ 37, 22.208,
160.924

■ 35, 39.850,
152.929

■ 38, 17.706,
162.073

■ 35, 40.722,
152.408

■ 38, 13.019,
163.106

■ 39, 8.215, 164.046

■ 40, 3.354, 164.933

■ 41, 1.511, 345.472

■ 42, 6.341, 346.308

■ 43, 11.105,

Harmonies

Complementary

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



36, 30.374, 158.198



23, 32.531, 353.241

Rectangle

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



36, 30.374, 158.198



36, 30.374, 208.198



36, 30.374, 338.198



36, 30.374, 28.198

Sweetspot

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



36, 30.374, 158.198



50, 12.092, 163.706



37, 39.909, 126.966



25, 8.308, 163.524



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, 30.374, 158.198



46, 43.125, 155.602



36, 20.305, 198.763



20, 2.756, 164.754



41, 45.969, 151.929



84, 82.850, 150.390

Inverse Universe

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



23, 32.531, 353.241



28, 45.469, 356.763



22, 32.678, 28.962



18, 2.792, 346.054



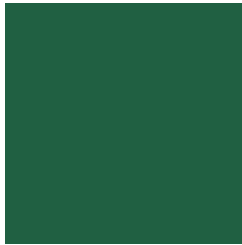
23, 46.203, 2.821



51, 80.567, 5.895

Previews

White Background



This preview shows how the CIELCh color 36, 30.374, 158.198 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 36, 30.374, 158.198 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, 30.374, 158.198

Background



This preview shows how black text looks on a background with the CIELCh color 36, 30.374, 158.198.



This preview shows how white text looks on a background with the CIELCh color 36, 30.374, 158.198.

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, 30.374, 158.198

Protanopia

36, 14.557, 94.662

Deuteranopia

36, 10.920, 62.647



Tritanopia
36, 16.707, 212.661

Trichromacy



Original Color
36, 30.374, 158.198

Protanomaly
35, 17.624, 136.313

Deuteranomaly
35, 12.385, 133.820

Tritanomaly
36, 19.328, 185.686

Monochromacy



Original Color
36, 30.374, 158.198

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 12.056, 162.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 30.374, 158.198 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(32, 96, 66)` looks like.

```
.text, #text, p{  
    color:rgb(32, 96, 66)  
}
```

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(32, 96, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 96, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 30.374, 158.198 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(32, 96, 66) }
```

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

```
.border{ border-color:rgb(32, 96, 66) }
```

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

Here you see how a box with a 4 pixel rgb(32, 96, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 96, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 96, 66);  
box-shadow:4px 4px 4px 4px rgb(32, 96, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 30.374, 158.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 96, 66) }
```

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

```
.background{ background-color: rgb(32, 96,  
66) }
```

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