

Converting Colors

CIELCh(37, 12.709, 185.203)

Have a look what the booklet for
CIELCh(37, 12.709, 185.203)
contains.

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Color

CIELCh(37, 12.760, 186.501)

Conversions

Conversions Part 1

Format	Color
Hex	3D5D59
RGB	61, 93, 89
RGB Percent	24%, 36%, 35%
CMY	0.7609, 0.6354, 0.6510
CMYK	0.34, 0.00, 0.04, 0.64
HSL	172°, 21%, 30%
HSV	172°, 34%, 36%
XYZ	7.6384, 9.5379, 10.8856
YIQ	82.9760, -17.7880, -8.0280

Conversions

Conversions Part 2

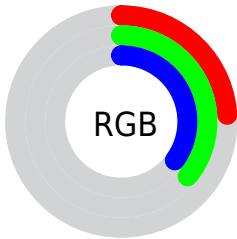
Format	Color
R_{YB}	61, 78, 93
Decimal	4021593
CIE _{Lab}	37.00, -12.68, -1.44
CIE _{LCh}	37, 12.760, 186.501
Yxy	9.5379, 0.2722, 0.3399
Android (android.graphics.Color)	4282211673 (0xFF3D5D59)
YUV	82.9760, 2.9698, -19.2730
Hunter-Lab	30.8835, -9.8978, 0.7204

Details

The CIELCh color **37, 12.760, 186.501** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 15.060, 12.583**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 12.497, 187.642**, and **17, 12.696, 187.288** is the 20% darker color. If you saturate the color by 10%, you get **36, 15.948, 185.670**, and if you desaturate by 10%, it is **38, 9.292, 187.302**.

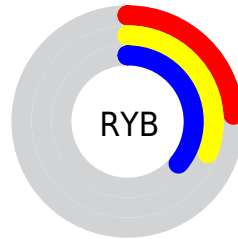
Distribution



Red (24%)

Green (36%)

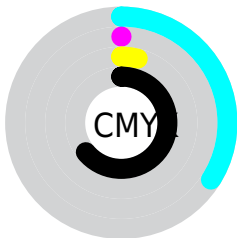
Blue (35%)



Red (24%)

Yellow (31%)

Blue (36%)

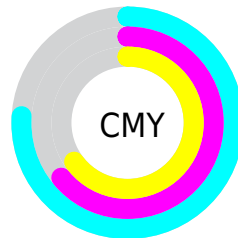


Cyan (34%)

Magenta (0%)

Yellow (4%)

Black (64%)



Cyan (76%)


Magenta (64%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 12.760, 186.501 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 37, 12.760, 186.501 by changing the saturation by 10% instead.


 37, 12.760,
186.501


 37, 12.760,
186.501

 100, 12.760,
186.501


 27, 12.760,
186.501

 57, 12.760,
186.501


 17, 12.760,
186.501


 67, 12.760,
186.501

 7, 12.760, 186.501

 77, 12.760,
186.501

 0, 12.760, 186.501

 87, 12.760,
186.501

 97, 12.760,
186.501

■ 37, 12.760,
186.501

■ 37, 12.760,
186.501

■ 36, 15.948,
185.670

■ 38, 9.292, 187.302

■ 36, 18.801,
184.806

■ 38, 5.602, 188.096

■ 39, 1.743, 188.971

■ 36, 21.269,
183.894

■ 40, 2.235, 9.400

■ 35, 23.316,
182.920

■ 41, 6.288, 10.214

■ 42, 10.381, 10.946

■ 35, 24.925,
181.867

■ 43, 14.485, 11.654

■ 35, 26.165,
180.747

■ 44, 18.578, 12.344

■ 45, 22.643, 13.019

■ 35, 26.843,
180.153

Harmonies

Complementary

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



37, 12.760, 186.501



30, 15.060, 12.583

Rectangle

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



37, 12.760, 186.501



37, 12.760, 236.501



37, 12.760, 6.501



37, 12.760, 56.501

Sweetspot

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



37, 12.760, 186.498



49, 4.823, 188.430



37, 23.082, 138.908



25, 3.311, 188.353



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 12.760, 186.498



47, 18.281, 185.853



33, 10.435, 243.978



18, 2.174, 188.555



41, 30.222, 179.861



85, 53.758, 178.920

Inverse Universe

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



30, 15.060, 12.583



36, 22.508, 13.753



33, 12.286, 57.014



17, 2.262, 9.746



21, 50.859, 31.559



50, 93.231, 35.255

Previews

White Background



This preview shows how the CIELCh color 37, 12.760, 186.501 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 37, 12.760, 186.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

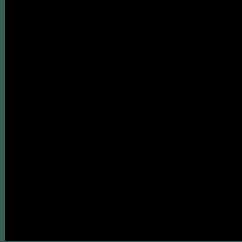
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 12.760, 186.501

Background



This preview shows how black text looks on a background with the CIELCh color 37, 12.760, 186.501.



This preview shows how white text looks on a background with the CIELCh color 37, 12.760, 186.501.

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
37, 12.760, 186.501

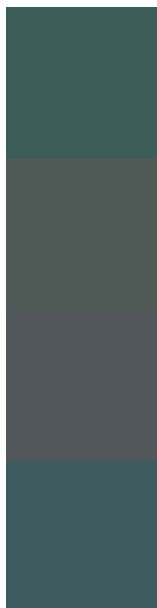
Protanopia
37, 1.422, 45.030

Deuteranopia
37, 5.789, 331.853



Tritanopia
37, 11.366, 224.214

Trichromacy



Original Color
37, 12.760, 186.501

Protanomaly
37, 4.603, 175.062

Deuteranomaly
37, 3.065, 236.602

Tritanomaly
37, 11.450, 207.384

Monochromacy



Original Color
37, 12.760, 186.501

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 5.162, 184.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 12.760, 186.501 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(61, 93, 89)` looks like.

```
.text, #text, p{  
    color:rgb(61, 93, 89)  
}
```

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(61, 93, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 93, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 12.760, 186.501 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(61, 93, 89) }
```

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

```
.border{ border-color:rgb(61, 93, 89) }
```

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

Here you see how a box with a 4 pixel rgb(61, 93, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 93, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 93, 89);  
box-shadow:4px 4px 4px 4px rgb(61, 93, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 12.760, 186.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 93, 89) }
```

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

```
.background{ background-color: rgb(61, 93,  
89) }
```

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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