

Converting Colors

CIELCh(37, 19.015, 200.833)

Have a look what the booklet for
CIELCh(37, 19.015, 200.833)
contains.

CIELCh(37, 18.989, 200.832)	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(37, 18.989, 200.832)

Conversions

Conversions Part 1

Format	Color
Hex	265F61
RGB	38, 95, 97
RGB Percent	15%, 37%, 38%
CMY	0.8494, 0.6261, 0.6182
CMYK	0.61, 0.02, 0.00, 0.62
HSL	182°, 43%, 27%
HSV	182°, 61%, 38%
XYZ	7.1126, 9.5379, 12.8619
YIQ	78.1850, -34.6140, -11.4620

Conversions

Conversions Part 2

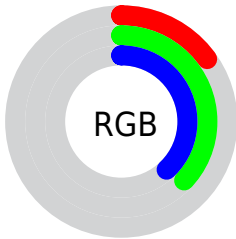
Format	Color
R _Y B	38, 67, 97
Decimal	2514785
CIE Lab	37.00, -17.75, -6.75
CIE LCh	37, 18.989, 200.832
Yxy	9.5379, 0.2410, 0.3232
Android (android.graphics.Color)	4280704865 (0xFF265F61)
YUV	78.1850, 9.2758, -35.2422
Hunter-Lab	30.8835, -12.9371, -3.0738

Details

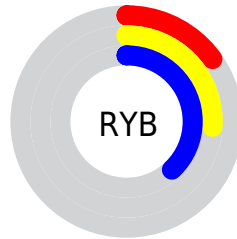
The CIELCh color **37, 18.989, 200.832** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 29.237, 28.543**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 19.111, 201.108**, and **17, 15.063, 204.619** is the 20% darker color. If you saturate the color by 10%, you get **37, 20.798, 200.863**, and if you desaturate by 10%, it is **37, 16.729, 200.896**.

Distribution



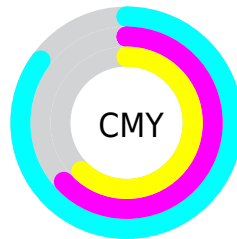
- Red (15%)
- Green (37%)
- Blue (38%)



- Red (15%)
- Yellow (26%)
- Blue (38%)



- Cyan (61%)
- Magenta (2%)
- Yellow (0%)
- Black (62%)





- Cyan (85%)
- Magenta (63%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 18.989, 200.832 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, 18.989, 200.832 by changing the saturation by 10% instead.


 37, 18.989,
200.832


 37, 18.989,
200.832

 100, 18.989,
200.832


 27, 18.989,
200.832

 57, 18.989,
200.832


 17, 18.989,
200.832


 67, 18.989,
200.832

 7, 18.989, 200.832

 77, 18.989,
200.832

 0, 18.989, 200.832

 87, 18.989,
200.832

 97, 18.989,
200.832

■ 37, 18.989,
200.832

■ 37, 18.989,
200.832

■ 37, 20.798,
200.863

■ 37, 16.729,
200.896

■ 36, 22.139,
201.004

■ 38, 14.054,
201.051

■ 36, 23.021,
201.257

■ 39, 11.011,
201.287

■ 36, 23.687,
201.528

■ 39, 7.654, 201.596

■ 40, 4.038, 201.987

■ 41, 0.217, 203.821

■ 42, 3.762, 22.651

■ 43, 7.854, 23.160

■ 44, 12.025, 23.658

Harmonies

Complementary

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



37, 18.989, 200.832



24, 29.237, 28.543

Rectangle

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



37, 18.989, 200.832



37, 18.989, 250.832



37, 18.989, 20.832



37, 18.989, 70.832

Sweetspot

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



37, 18.989, 200.830



51, 8.417, 201.667



36, 41.651, 140.451



26, 5.763, 201.593



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 18.989, 200.830



47, 26.023, 200.915



27, 21.715, 270.407



20, 2.146, 202.066



41, 26.162, 201.619



84, 45.615, 201.965

Inverse Universe

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



26, 41.218, 328.339



32, 58.684, 328.884



32, 24.661, 71.541



18, 3.958, 325.791



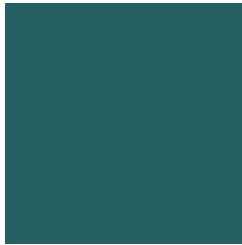
25, 61.503, 329.562



56, 107.344, 329.649

Previews

White Background



This preview shows how the CIELCh color 37, 18.989, 200.832 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 37, 18.989, 200.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

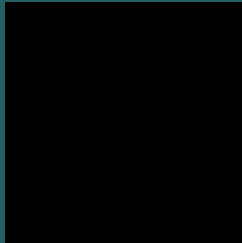
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 18.989, 200.832

Background



This preview shows how black text looks on a background with the CIELCh color 37, 18.989, 200.832.

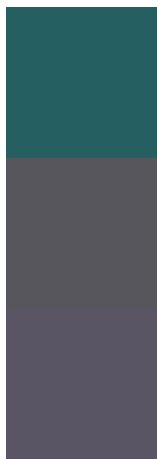


This preview shows how white text looks on a background with the CIELCh color 37, 18.989, 200.832.

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, 18.989, 200.832

Protanopia
37, 3.745, 297.151

Deuteranopia
37, 9.454, 301.454



Tritanopia
37, 18.143, 211.229

Trichromacy



Original Color
37, 18.989, 200.832

Protanomaly
36, 8.306, 220.512

Deuteranomaly
37, 9.107, 241.798

Tritanomaly
37, 18.371, 206.990

Monochromacy



Original Color
37, 18.989, 200.832

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 8.379, 202.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 18.989, 200.832 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(38, 95, 97)` looks like.

```
.text, #text, p{  
    color:rgb(38, 95, 97)  
}
```

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(38, 95, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 95, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 18.989, 200.832 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(38, 95, 97) }
```

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

```
.border{ border-color:rgb(38, 95, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 95, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 95, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 95, 97);  
box-shadow:4px 4px 4px 4px rgb(38, 95, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 18.989, 200.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 95, 97) }
```

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

```
.background{ background-color: rgb(38, 95,  
97) }
```

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