

Converting Colors

CIELCh(37, 20.840, 200.460)

Have a look what the booklet for
CIELCh(37, 20.840, 200.460)
contains.

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Color

CIELCh(37, 20.816, 200.298)

Conversions

Conversions Part 1

Format	Color
Hex	1E6062
RGB	30, 96, 98
RGB Percent	12%, 38%, 38%
CMY	0.8820, 0.6233, 0.6154
CMYK	0.69, 0.02, 0.00, 0.62
HSL	182°, 53%, 25%
HSV	182°, 69%, 38%
XYZ	6.9342, 9.5379, 13.0469
YIQ	76.4940, -39.9780, -13.3700

Conversions

Conversions Part 2

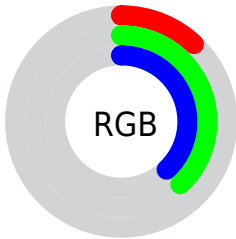
Format	Color
R_{YB}	30, 63, 98
Decimal	1990754
CIE _{Lab}	37.00, -19.52, -7.22
CIE _{LCh}	37, 20.816, 200.298
Yxy	9.5379, 0.2349, 0.3231
Android (android.graphics.Color)	4280180834 (0xFF1E6062)
YUV	76.4940, 10.6025, -40.7752
Hunter-Lab	30.8835, -13.9677, -3.4289

Details

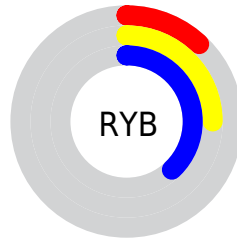
The CIELCh color **37, 20.816, 200.298** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 34.434, 30.269**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 20.764, 200.690**, and **18, 15.261, 204.485** is the 20% darker color. If you saturate the color by 10%, you get **37, 22.231, 200.382**, and if you desaturate by 10%, it is **37, 18.930, 200.311**.

Distribution



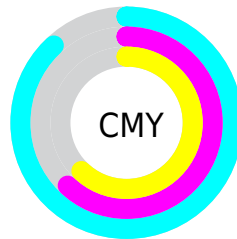
- Red (12%)
- Green (38%)
- Blue (38%)



- Red (12%)
- Yellow (25%)
- Blue (38%)



- Cyan (69%)
- Magenta (2%)
- Yellow (0%)
- Black (62%)



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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 20.816, 200.298 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, 20.816, 200.298 by changing the saturation by 10% instead.

 37, 20.816,
200.298

 37, 20.816,
200.298


 100, 20.816,
200.298

 27, 20.816,
200.298

 57, 20.816,
200.298

 17, 20.816,
200.298

 67, 20.816,
200.298

 7, 20.816, 200.298

 77, 20.816,
200.298

 0, 20.816, 200.298

 87, 20.816,
200.298

 97, 20.816,
200.298

■ 37, 20.816,
200.298

■ 37, 20.816,
200.298

■ 37, 22.231,
200.382

■ 37, 18.930,
200.311

■ 36, 23.179,
200.571

■ 38, 16.593,
200.418

■ 36, 23.890,
200.809

■ 38, 13.841,
200.608

■ 36, 23.938,
200.824

■ 39, 10.725,
200.875

■ 40, 7.297, 201.211

■ 41, 3.615, 201.632

■ 42, 0.269, 20.730

■ 43, 4.305, 22.335

■ 44, 8.451, 22.852

Harmonies

Complementary

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



37, 20.816, 200.298



23, 34.434, 30.269

Rectangle

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



37, 20.816, 200.298



37, 20.816, 250.298



37, 20.816, 20.298



37, 20.816, 70.298

Sweetspot

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



37, 20.816, 200.297



51, 9.774, 201.127



36, 47.325, 139.071



25, 6.521, 201.065



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, 20.816, 200.297



47, 27.557, 200.486



26, 24.315, 271.395



20, 2.156, 201.655



41, 26.309, 200.898



84, 45.885, 201.195

Inverse Universe

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



25, 46.201, 328.536



31, 63.285, 329.029



31, 28.630, 68.795



18, 3.970, 325.667



25, 61.710, 329.381



56, 107.727, 329.456

Previews

White Background



This preview shows how the CIELCh color 37, 20.816, 200.298 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, 20.816, 200.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

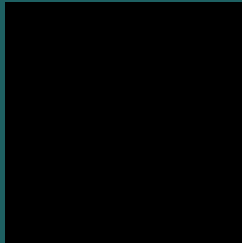
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

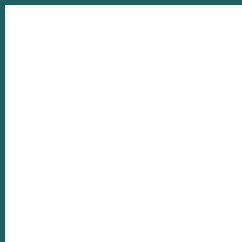
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 20.816, 200.298

Background



This preview shows how black text looks on a background with the CIELCh color 37, 20.816, 200.298.



This preview shows how white text looks on a background with the CIELCh color 37, 20.816, 200.298.

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, 20.816, 200.298

Protanopia
37, 3.745, 297.151

Deuteranopia
37, 10.063, 300.909



Tritanopia
37, 19.763, 211.786

Trichromacy



Original Color
37, 20.816, 200.298

Protanomaly
37, 9.517, 213.458

Deuteranomaly
37, 10.253, 240.541

Tritanomaly
37, 19.958, 207.877

Monochromacy



Original Color
37, 20.816, 200.298

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 9.472, 201.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 20.816, 200.298 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(30, 96, 98)` looks like.

```
.text, #text, p{  
    color:rgb(30, 96, 98)  
}
```

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(30, 96, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 96, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 20.816, 200.298 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(30, 96, 98) }
```

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

```
.border{ border-color:rgb(30, 96, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 96, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 96, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 96, 98);  
box-shadow:4px 4px 4px 4px rgb(30, 96, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 20.816, 200.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 96, 98) }
```

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

```
.background{ background-color: rgb(30, 96,  
98) }
```

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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