

Converting Colors

CIELCh(37, 20.097, 222.642)

Have a look what the booklet for
CIELCh(37, 20.097, 222.642)
contains.

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Color

CIELCh(37, 20.074, 221.157)

Conversions

Conversions Part 1

Format	Color
Hex	215F6C
RGB	33, 95, 108
RGB Percent	13%, 37%, 42%
CMY	0.8717, 0.6284, 0.5774
CMYK	0.70, 0.12, 0.00, 0.58
HSL	190°, 53%, 28%
HSV	190°, 70%, 42%
XYZ	7.3826, 9.5379, 15.5721
YIQ	77.9440, -41.1250, -9.1010

Conversions

Conversions Part 2

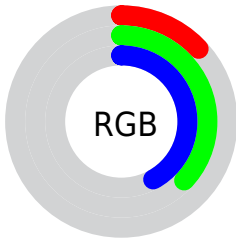
Format	Color
R_{YB}	33, 67, 108
Decimal	2187116
CIE _{Lab}	37.00, -15.11, -13.21
CIE _{LCh}	37, 20.074, 221.157
Yxy	9.5379, 0.2272, 0.2935
Android (android.graphics.Color)	4280377196 (0xFF215F6C)
YUV	77.9440, 14.8176, -39.4159
Hunter-Lab	30.8835, -11.3762, -8.2767

Details

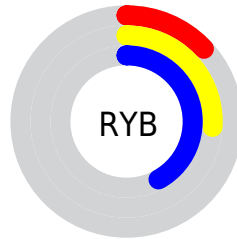
The CIELCh color **37, 20.074, 221.157** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 34.327, 39.084**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 20.024, 219.741**, and **18, 15.683, 229.463** is the 20% darker color. If you saturate the color by 10%, you get **36, 21.438, 222.982**, and if you desaturate by 10%, it is **38, 18.260, 219.730**.

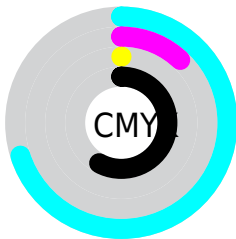
Distribution



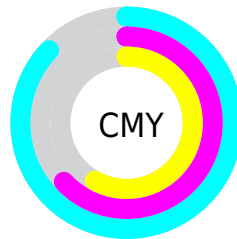
- Red (13%)
- Green (37%)
- Blue (42%)



- Red (13%)
- Yellow (26%)
- Blue (42%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (58%)





- Cyan (87%)
- Magenta (63%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 20.074, 221.157 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, 20.074, 221.157 by changing the saturation by 10% instead.


 37, 20.074,
221.157


 37, 20.074,
221.157

 100, 20.074,
221.157


 27, 20.074,
221.157

 57, 20.074,
221.157


 17, 20.074,
221.157


 67, 20.074,
221.157

 7, 20.074, 221.157

 77, 20.074,
221.157

 0, 20.074, 221.157

 87, 20.074,
221.157

 97, 20.074,
221.157

■ 37, 20.074,
221.157

■ 37, 20.074,
221.157

■ 36, 21.438,
222.982

■ 38, 18.260,
219.730

■ 35, 22.363,
225.270

■ 39, 16.014,
218.641

■ 35, 23.069,
227.792

■ 40, 13.374,
217.832

■ 34, 23.095,
227.878

■ 41, 10.387,
217.251

■ 43, 7.106, 216.860

■ 44, 3.584, 216.647

■ 46, 0.133, 33.767

■ 47, 3.999, 36.259

■ 49, 7.980, 36.317

Harmonies

Complementary

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



37, 20.074, 221.157



27, 34.327, 39.084

Rectangle

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



37, 20.074, 221.157



37, 20.074, 271.157



37, 20.074, 41.157



37, 20.074, 91.157

Sweetspot

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



37, 20.074, 221.156



55, 9.375, 216.922



40, 46.585, 142.862



28, 6.355, 216.994



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



37, 20.074, 221.156



46, 26.703, 224.449



25, 33.169, 284.871



22, 2.080, 216.641



38, 24.533, 228.218



75, 42.261, 230.359

Inverse Universe

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



27, 45.339, 333.899



33, 61.909, 335.063



37, 32.749, 82.166



21, 3.909, 330.089



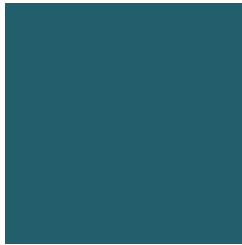
26, 57.187, 336.179



56, 97.677, 336.741

Previews

White Background



This preview shows how the CIELCh color 37, 20.074, 221.157 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, 20.074, 221.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

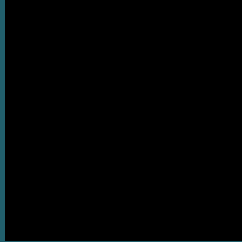
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 20.074, 221.157

Background



This preview shows how black text looks on a background with the CIELCh color 37, 20.074, 221.157.

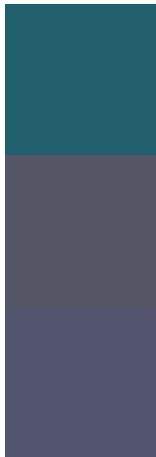


This preview shows how white text looks on a background with the CIELCh color 37, 20.074, 221.157.

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, 20.074, 221.157

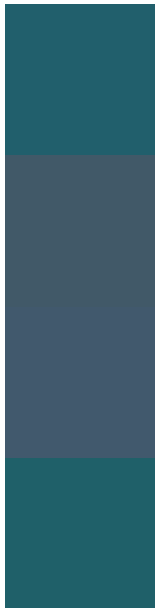
Protanopia
37, 9.915, 287.222

Deuteranopia
37, 15.480, 289.857



Tritanopia
37, 20.506, 209.327

Trichromacy



Original Color
37, 20.074, 221.157

Protanomaly
36, 12.501, 247.012

Deuteranomaly
37, 14.714, 256.581

Tritanomaly
37, 20.348, 213.133

Monochromacy



Original Color
37, 20.074, 221.157

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 9.018, 218.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 20.074, 221.157 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(33, 95, 108)` looks like.

```
.text, #text, p{  
    color:rgb(33, 95, 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(33, 95, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 95, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 20.074, 221.157 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(33, 95, 108) }
```

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

```
.border{ border-color:rgb(33, 95, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 95, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 95, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 95, 108);  
box-shadow:4px 4px 4px 4px rgb(33, 95,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 20.074, 221.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 95, 108) }
```

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

```
.background{ background-color: rgb(33, 95,  
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](#).

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