

Converting Colors

CIELCh(37, 20.492, 227.824)

Have a look what the booklet for
CIELCh(37, 20.492, 227.824)
contains.

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Color

CIELCh(37, 20.473, 228.726)

Conversions

Conversions Part 1

Format	Color
Hex	215E6F
RGB	33, 94, 111
RGB Percent	13%, 37%, 44%
CMY	0.8692, 0.6303, 0.5636
CMYK	0.70, 0.15, 0.00, 0.56
HSL	193°, 54%, 28%
HSV	193°, 70%, 44%
XYZ	7.5509, 9.5379, 16.5642
YIQ	77.6990, -41.8130, -7.6450

Conversions

Conversions Part 2

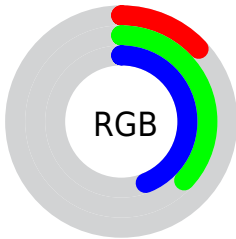
Format	Color
R_{YB}	33, 67, 111
Decimal	2186863
CIE _{Lab}	37.00, -13.51, -15.39
CIE _{LCh}	37, 20.473, 228.726
Yxy	9.5379, 0.2244, 0.2834
Android (android.graphics.Color)	4280376943 (0xFF215E6F)
YUV	77.6990, 16.4174, -39.2010
Hunter-Lab	30.8835, -10.4036, -10.1813

Details

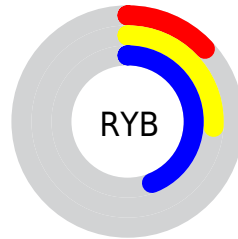
The CIELCh color **37, 20.473, 228.726** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 34.617, 42.362**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 20.568, 230.121**, and **18, 16.240, 237.638** is the 20% darker color. If you saturate the color by 10%, you get **36, 21.956, 231.167**, and if you desaturate by 10%, it is **38, 18.571, 226.778**.

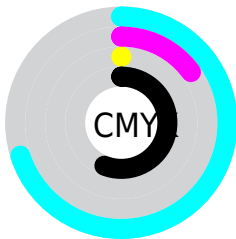
Distribution



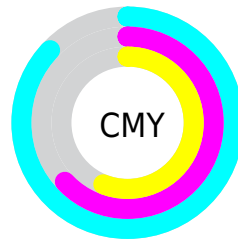
- Red (13%)
- Green (37%)
- Blue (44%)



- Red (13%)
- Yellow (26%)
- Blue (44%)



- Cyan (70%)
- Magenta (15%)
- Yellow (0%)
- Black (56%)





- Cyan (87%)
- Magenta (63%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 20.473, 228.726 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, 20.473, 228.726 by changing the saturation by 10% instead.


 37, 20.473,
228.726


 37, 20.473,
228.726

 100, 20.473,
228.726


 27, 20.473,
228.726

 57, 20.473,
228.726


 17, 20.473,
228.726

 67, 20.473,
228.726

 7, 20.473, 228.726

 77, 20.473,
228.726

 0, 20.473, 228.726

 87, 20.473,
228.726

 97, 20.473,
228.726

■ 37, 20.473,
228.726

■ 37, 20.473,
228.726

■ 36, 21.956,
231.167

■ 38, 18.571,
226.778

■ 35, 23.042,
234.172

■ 39, 16.262,
225.251

■ 34, 23.956,
237.422

■ 41, 13.576,
224.071

■ 42, 10.560,
223.175

■ 44, 7.261, 222.512

■ 45, 3.729, 222.060

■ 47, 0.012, 251.313

■ 49, 3.854, 41.277

■ 50, 7.829, 41.168

Harmonies

Complementary

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



37, 20.473, 228.726



29, 34.617, 42.362

Rectangle

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



37, 20.473, 228.726



37, 20.473, 278.726



37, 20.473, 48.726



37, 20.473, 98.726

Sweetspot

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



37, 20.472, 228.725



56, 9.437, 222.600



41, 46.340, 144.309



29, 6.398, 222.729



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



37, 20.472, 228.725



46, 27.488, 232.973



25, 36.888, 288.388



23, 2.111, 222.028



37, 25.283, 237.787



73, 43.546, 240.377

Inverse Universe

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



28, 45.299, 335.911



34, 61.690, 337.325



39, 34.741, 86.169



22, 3.937, 331.679



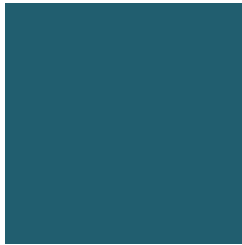
26, 56.198, 338.784



56, 95.140, 339.540

Previews

White Background



This preview shows how the CIELCh color 37, 20.473, 228.726 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, 20.473, 228.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

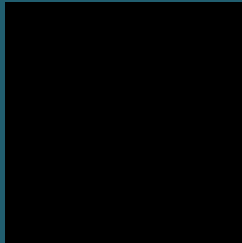
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 20.473, 228.726

Background



This preview shows how black text looks on a background with the CIELCh color 37, 20.473, 228.726.



This preview shows how white text looks on a background with the CIELCh color 37, 20.473, 228.726.

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, 20.473, 228.726

Protanopia

37, 11.819, 284.573

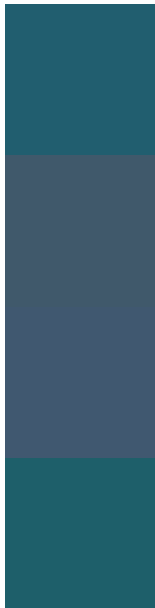
Deuteranopia

37, 17.357, 288.063



Tritanopia
37, 20.833, 209.096

Trichromacy



Original Color
37, 20.473, 228.726

Protanomaly
37, 13.979, 252.026

Deuteranomaly
36, 16.707, 262.462

Tritanomaly
37, 20.387, 216.879

Monochromacy



Original Color
37, 20.473, 228.726

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 9.189, 222.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 20.473, 228.726 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, 94, 111)` looks like.

```
.text, #text, p{  
    color:rgb(33, 94, 111)  
}
```

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, 94, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 94, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 20.473, 228.726 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, 94, 111) }
```

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

```
.border{ border-color:rgb(33, 94, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 94, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 94, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 94, 111);  
box-shadow:4px 4px 4px 4px rgb(33, 94,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 20.473, 228.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 94, 111) }
```

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

```
.background{ background-color: rgb(33, 94,  
111) }
```

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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