

Converting Colors

CIELCh(37, 20.279, 218.807)

Have a look what the booklet for
CIELCh(37, 20.279, 218.807)
contains.

CIELCh(37, 20.302, 218.900)	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, 20.302, 218.900)

Conversions

Conversions Part 1

Format	Color
Hex	1F5F6B
RGB	31, 95, 107
RGB Percent	12%, 37%, 42%
CMY	0.8784, 0.6274, 0.5804
CMYK	0.71, 0.11, 0.00, 0.58
HSL	189°, 55%, 27%
HSV	189°, 71%, 42%
XYZ	7.3116, 9.5379, 15.3665
YIQ	77.2320, -41.9960, -9.8360

Conversions

Conversions Part 2

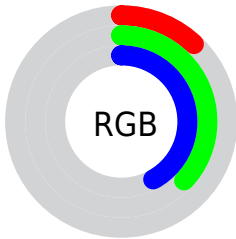
Format	Color
R_{YB}	31, 66, 107
Decimal	2056043
CIE _{Lab}	37.00, -15.80, -12.75
CIE _{LCh}	37, 20.302, 218.900
Yxy	9.5379, 0.2270, 0.2961
Android (android.graphics.Color)	4280246123 (0xFF1F5F6B)
YUV	77.2320, 14.6756, -40.5455
Hunter-Lab	30.8835, -11.7865, -7.8821

Details

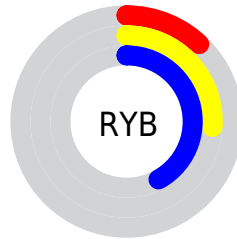
The CIELCh color **37, 20.302, 218.900** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 35.249, 38.217**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 20.407, 217.527**, and **18, 15.508, 226.801** is the 20% darker color. If you saturate the color by 10%, you get **36, 21.578, 220.575**, and if you desaturate by 10%, it is **38, 18.566, 217.597**.

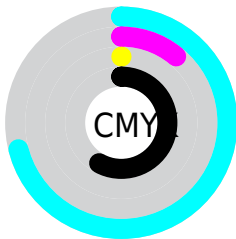
Distribution



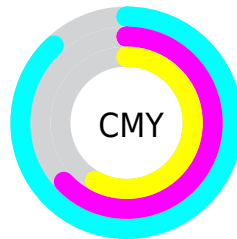
- Red (12%)
- Green (37%)
- Blue (42%)



- Red (12%)
- Yellow (26%)
- Blue (42%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)
- Black (58%)



- Cyan (88%)
- Magenta (63%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 20.302, 218.900 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, 20.302, 218.900 by changing the saturation by 10% instead.

 37, 20.302,
218.900


 37, 20.302,
218.900

 100, 20.302,
218.900

 27, 20.302,
218.900

 57, 20.302,
218.900


 17, 20.302,
218.900


 67, 20.302,
218.900

 7, 20.302, 218.900

 77, 20.302,
218.900

 0, 20.302, 218.900

 87, 20.302,
218.900

 97, 20.302,
218.900

■ 37, 20.302,
218.900

■ 37, 20.302,
218.900

■ 36, 21.578,
220.575

■ 38, 18.566,
217.597

■ 35, 22.408,
222.682

■ 39, 16.386,
216.611

■ 35, 23.005,
224.702

■ 40, 13.799,
215.888

■ 41, 10.853,
215.381

■ 42, 7.602, 215.055

■ 44, 4.097, 214.892

■ 45, 0.390, 215.610

■ 47, 3.476, 34.608

■ 48, 7.461, 34.723

Harmonies

Complementary

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



37, 20.302, 218.900



27, 35.249, 38.217

Rectangle

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



37, 20.302, 218.900



37, 20.302, 268.900



37, 20.302, 38.900



37, 20.302, 88.900

Sweetspot

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



37, 20.302, 218.899



55, 9.464, 215.069



40, 47.601, 142.198



28, 6.415, 215.124



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, 20.302, 218.899



47, 26.905, 221.866



25, 32.836, 284.067



22, 2.101, 214.884



38, 24.552, 225.035



77, 42.214, 226.973

Inverse Universe

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



27, 46.175, 333.353



33, 62.863, 334.418



36, 32.905, 80.551



21, 3.951, 329.577



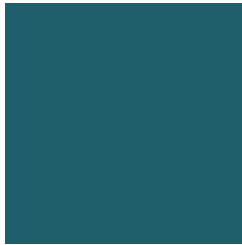
26, 57.832, 335.359



56, 98.837, 335.856

Previews

White Background



This preview shows how the CIELCh color 37, 20.302, 218.900 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, 20.302, 218.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

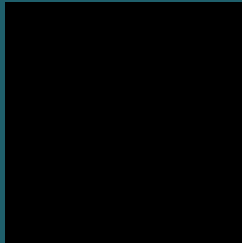
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 20.302, 218.900

Background



This preview shows how black text looks on a background with the CIELCh color 37, 20.302, 218.900.



This preview shows how white text looks on a background with the CIELCh color 37, 20.302, 218.900.

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, 20.302, 218.900

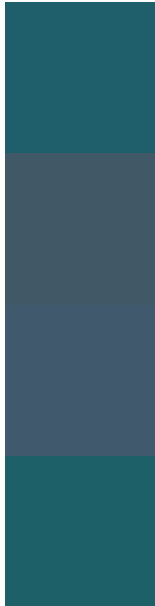
Protanopia
37, 9.300, 286.800

Deuteranopia
37, 14.857, 291.083



Tritanopia
37, 20.672, 209.209

Trichromacy



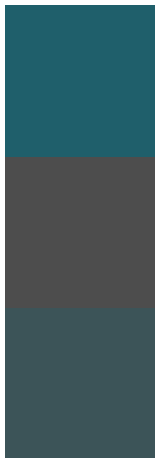
Original Color
37, 20.302, 218.900

Protanomaly
36, 12.104, 244.713

Deuteranomaly
37, 14.246, 254.898

Tritanomaly
37, 20.500, 211.155

Monochromacy



Original Color
37, 20.302, 218.900

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 9.567, 213.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 20.302, 218.900 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(31, 95, 107)` looks like.

```
.text, #text, p{  
    color:rgb(31, 95, 107)  
}
```

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(31, 95, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 95, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 20.302, 218.900 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(31, 95, 107) }
```

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

```
.border{ border-color:rgb(31, 95, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 95, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 95, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 95, 107);  
box-shadow:4px 4px 4px 4px rgb(31, 95,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 20.302, 218.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 95, 107) }
```

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

```
.background{ background-color: rgb(31, 95,  
107) }
```

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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