

Converting Colors

CIELCh(37, 6.100, 198.628)

Have a look what the booklet for
CIELCh(37, 6.100, 198.628) contains.

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Color

CIELCh(37, 6.091, 198.636)

Conversions

Conversions Part 1

Format	Color
Hex	4B5A5A
RGB	75, 90, 90
RGB Percent	29%, 35%, 35%
CMY	0.7060, 0.6472, 0.6472
CMYK	0.17, 0.00, 0.00, 0.65
HSL	180°, 9%, 32%
HSV	180°, 17%, 35%
XYZ	8.3956, 9.5379, 11.0630
YIQ	85.5150, -8.9400, -3.1800

Conversions

Conversions Part 2

Format	Color
R_{YB}	75, 83, 90
Decimal	4938330
CIE Lab	37.00, -5.77, -1.95
CIE LCh	37, 6.091, 198.636
Yxy	9.5379, 0.2895, 0.3289
Android (android.graphics.Color)	4283128410 (0xFF4B5A5A)
YUV	85.5150, 2.2111, -9.2217
Hunter-Lab	30.8835, -5.5214, 0.3797

Details

The CIELCh color **37, 6.091, 198.636** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **33, 6.726, 20.408**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 6.078, 198.875**, and **17, 5.743, 205.254** is the 20% darker color. If you saturate the color by 10%, you get **36, 9.460, 198.164**, and if you desaturate by 10%, it is **38, 2.498, 199.183**.

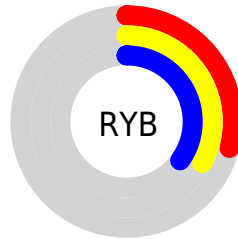
Distribution



Red (29%)

Green (35%)

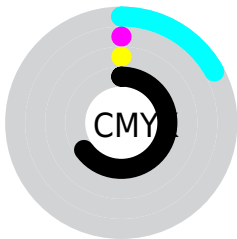
Blue (35%)



Red (29%)

Yellow (33%)

Blue (35%)

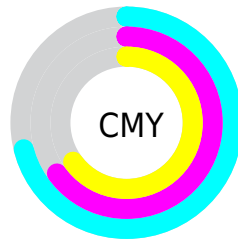


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (65%)



Cyan (71%)

Magenta (65%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 6.091, 198.636 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, 6.091, 198.636 by changing the saturation by 10% instead.

■ 37, 6.091, 198.636

■ 37, 6.091, 198.636

■ 100, 6.091,
198.636

■ 27, 6.091, 198.636

■ 57, 6.091, 198.636

■ 17, 6.091, 198.636

■ 67, 6.091, 198.636

■ 7, 6.091, 198.636

■ 77, 6.091, 198.636

■ 0, 6.091, 198.636

■ 87, 6.091, 198.636

■ 97, 6.091, 198.636

■ 37, 6.091, 198.636

■ 37, 6.091, 198.636

■ 36, 9.460, 198.164

■ 38, 2.498, 199.183

36, 12.552,
197.754

38, 1.271, 19.328

35, 15.316,
197.394

39, 5.169, 20.049

35, 17.704,
197.089

40, 9.159, 20.630

35, 19.682,
196.839

42, 17.287, 21.790

34, 21.226,
196.647

43, 21.375, 22.372

34, 22.335,
196.509

45, 25.457, 22.952

34, 23.156,
196.407

46, 29.517, 23.527

34, 23.429,
196.374

Harmonies

Complementary

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



37, 6.091, 198.636



33, 6.726, 20.408

Rectangle

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



37, 6.091, 198.636



37, 6.091, 248.636



37, 6.091, 18.636



37, 6.091, 68.636

Sweetspot

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



37, 6.091, 198.628



49, 2.336, 199.295



37, 11.291, 143.082



24, 1.576, 199.261



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 6.091, 198.628



48, 8.992, 198.437



35, 5.444, 255.706



18, 2.122, 199.045



42, 26.915, 196.373



85, 47.440, 196.373

Inverse Universe

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



33, 6.726, 20.408



42, 10.184, 20.735



35, 5.686, 71.710



17, 2.233, 19.822



21, 53.759, 36.846



50, 98.983, 39.997

Previews

White Background



This preview shows how the CIELCh color 37, 6.091, 198.636 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 CIE LCh color 37, 6.091, 198.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

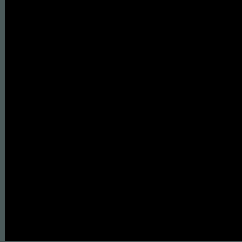
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 6.091, 198.636

Background



This preview shows how black text looks on a background with the CIELCh color 37, 6.091, 198.636.

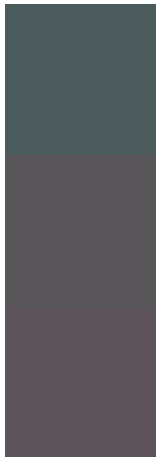


This preview shows how white text looks on a background with the CIELCh color 37, 6.091, 198.636.

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

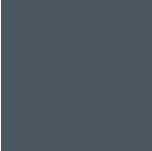
37, 6.091, 198.636

Protanopia

37, 1.512, 324.462

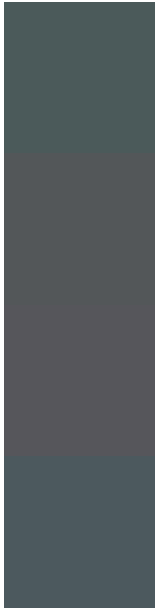
Deuteranopia

37, 5.789, 331.853



Tritanopia
37, 6.624, 239.867

Trichromacy



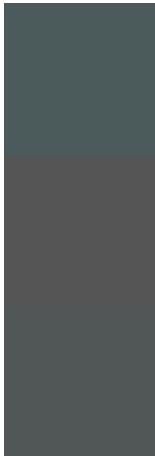
Original Color
37, 6.091, 198.636

Protanomaly
37, 2.059, 236.359

Deuteranomaly
37, 3.098, 290.693

Tritanomaly
37, 5.970, 230.163

Monochromacy



Original Color
37, 6.091, 198.636

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 2.510, 199.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 6.091, 198.636 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(75, 90, 90)` looks like.

```
.text, #text, p{  
    color:rgb(75, 90, 90)  
}
```

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(75, 90, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 90, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 6.091, 198.636 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(75, 90, 90) }
```

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

```
.border{ border-color:rgb(75, 90, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 90, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 90, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 90, 90);  
box-shadow:4px 4px 4px 4px rgb(75, 90, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 6.091, 198.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 90, 90) }
```

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

```
.background{ background-color: rgb(75, 90,  
90) }
```

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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