

Converting Colors

CIELCh(47, 5.937, 210.366)

Have a look what the booklet for
CIELCh(47, 5.937, 210.366) contains.

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Color

CIELCh(47, 5.937, 210.366)

Conversions

Conversions Part 1

Format	Color
Hex	637274
RGB	99, 114, 116
RGB Percent	39%, 45%, 45%
CMY	0.6109, 0.5520, 0.5442
CMYK	0.15, 0.02, 0.00, 0.54
HSL	187°, 8%, 42%
HSV	187°, 15%, 46%
XYZ	14.3805, 16.0195, 18.9286
YIQ	109.7430, -9.5820, -2.5580

Conversions

Conversions Part 2

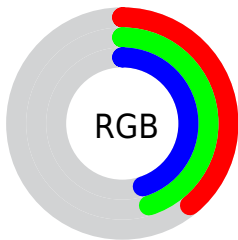
Format	Color
R_{YB}	99, 107, 116
Decimal	6517364
CIE Lab	47.00, -5.12, -3.00
CIE LCh	47, 5.937, 210.366
Yxy	16.0195, 0.2915, 0.3247
Android (android.graphics.Color)	4284707444 (0xFF637274)
YUV	109.7430, 3.0847, -9.4216
Hunter-Lab	40.0243, -5.9086, -0.0229

Details

The CIELCh color **47, 5.937, 210.366** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 6.509, 30.642**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 5.965, 209.689**, and **27, 5.964, 211.207** is the 20% darker color. If you saturate the color by 10%, you get **46, 9.698, 210.375**, and if you desaturate by 10%, it is **48, 1.927, 210.538**.

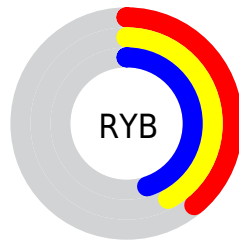
Distribution



Red (39%)

Green (45%)

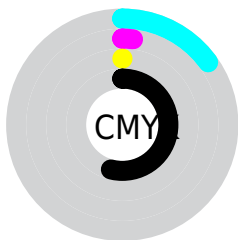
Blue (45%)



Red (39%)

Yellow (42%)

Blue (45%)

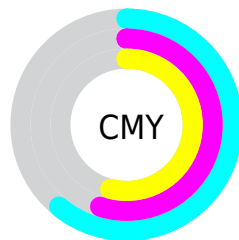


Cyan (15%)

Magenta (2%)

Yellow (0%)

Black (54%)



Cyan (61%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 5.937, 210.366 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 47, 5.937, 210.366 by changing the saturation by 10% instead.

■ 47, 5.937, 210.366

■ 47, 5.937, 210.366

■ 100, 5.937,
210.366

■ 37, 5.937, 210.366

■ 67, 5.937, 210.366

■ 27, 5.937, 210.366

■ 77, 5.937, 210.366

■ 17, 5.937, 210.366

■ 87, 5.937, 210.366

■ 7, 5.937, 210.366

■ 97, 5.937, 210.366

■ 0, 5.937, 210.366

■ 47, 5.937, 210.366

■ 47, 5.937, 210.366

■ 46, 9.698, 210.375

■ 48, 1.927, 210.538

■ 45, 13.148,
210.531

■ 50, 2.281, 30.310

44, 16.225,
210.842

51, 6.637, 30.606

43, 18.872,
211.339

53, 11.101, 30.862

54, 15.640, 31.139

42, 21.036,
212.057

56, 20.227, 31.435

41, 22.684,
213.037

57, 24.840, 31.746

59, 29.461, 32.065

40, 23.808,
214.322

61, 34.078, 32.389

40, 24.461,
215.927

39, 24.765,
216.808

Harmonies

Complementary

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



47, 5.937, 210.366



44, 6.509, 30.642

Rectangle

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



47, 5.937, 210.366



47, 5.937, 260.366



47, 5.937, 30.366



47, 5.937, 80.366

Sweetspot

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



47, 5.937, 210.355



62, 2.059, 210.568



47, 11.338, 146.910



32, 1.473, 210.533



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 5.937, 210.355



59, 8.927, 210.347



45, 6.707, 268.863



24, 2.335, 210.411



41, 25.688, 216.935



81, 43.394, 218.236

Inverse Universe

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



44, 11.354, 328.609



55, 17.284, 328.829



47, 6.780, 85.123



23, 4.388, 328.284



27, 61.416, 333.335



58, 103.615, 333.656

Previews

White Background



This preview shows how the CIELCh color 47, 5.937, 210.366 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 × Fail

Black Background



This preview shows how the CIE LCh color 47, 5.937, 210.366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

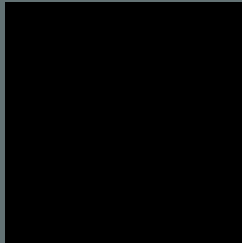
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

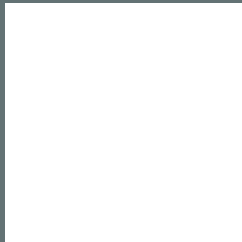
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 5.937, 210.366

Background



This preview shows how black text looks on a background with the CIELCh color 47, 5.937, 210.366.



This preview shows how white text looks on a background with the CIELCh color 47, 5.937, 210.366.

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

47, 5.937, 210.366

Protanopia

47, 1.831, 303.160

Deuteranopia

47, 7.430, 327.478



Tritanopia
47, 7.182, 247.150

Trichromacy



Original Color

47, 5.937, 210.366

Protanomaly

47, 2.644, 241.629

Deuteranomaly

47, 4.240, 301.595

Tritanomaly

47, 6.411, 239.441

Monochromacy



Original Color

47, 5.937, 210.366

Achromatopsia

46, 0.006, 296.813

Achromatomaly

47, 2.408, 199.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 5.937, 210.366 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(99, 114, 116)` looks like.

```
.text, #text, p{  
    color:rgb(99, 114, 116)  
}
```

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(99, 114, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 114, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 5.937, 210.366 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(99, 114, 116) }
```

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

```
.border{ border-color:rgb(99, 114, 116) }
```

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

Here you see how a box with a 4 pixel rgb(99, 114, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 114, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 114, 116);  
box-shadow:4px 4px 4px 4px rgb(99, 114,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 5.937, 210.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 114, 116) }
```

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

```
.background{ background-color: rgb(99, 114,  
116) }
```

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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