

Converting Colors

CIELCh(47, 7.432, 245.022)

Have a look what the booklet for
CIELCh(47, 7.432, 245.022) contains.

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Color

CIELCh(47, 7.841, 248.299)

Conversions

Conversions Part 1

Format	Color
Hex	63717B
RGB	99, 113, 123
RGB Percent	39%, 44%, 48%
CMY	0.6102, 0.5552, 0.5160
CMYK	0.19, 0.08, 0.00, 0.52
HSL	205°, 11%, 44%
HSV	205°, 19%, 48%
XYZ	14.7435, 16.0195, 21.1928
YIQ	109.9540, -11.5540, 0.1420

Conversions

Conversions Part 2

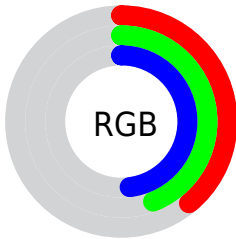
Format	Color
R_{YB}	99, 108, 123
Decimal	6517115
CIE _{Lab}	47.00, -2.90, -7.29
CIE _{LCh}	47, 7.841, 248.299
Yxy	16.0195, 0.2838, 0.3083
Android (android.graphics.Color)	4284707195 (0xFF63717B)
YUV	109.9540, 6.4317, -9.6067
Hunter-Lab	40.0243, -4.2896, -3.3769

Details

The CIELCh color **47, 7.841, 248.299** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 8.448, 63.890**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 7.641, 245.590**, and **27, 7.721, 248.624** is the 20% darker color. If you saturate the color by 10%, you get **45, 11.700, 249.858**, and if you desaturate by 10%, it is **49, 3.859, 247.017**.

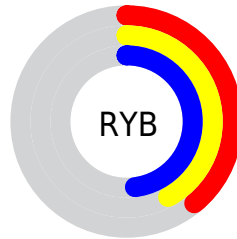
Distribution



Red (39%)

Green (44%)

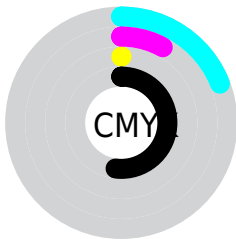
Blue (48%)



Red (39%)

Yellow (42%)

Blue (48%)

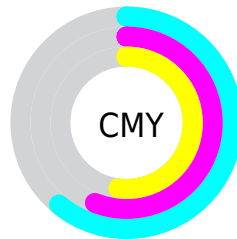


Cyan (19%)

Magenta (8%)

Yellow (0%)

Black (52%)



Cyan (61%)

Magenta (56%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 7.841, 248.299 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, 7.841, 248.299 by changing the saturation by 10% instead.

■ 47, 7.841, 248.299

■ 47, 7.841, 248.299

■ 100, 7.841,
248.299

■ 37, 7.841, 248.299

■ 67, 7.841, 248.299

■ 27, 7.841, 248.299

■ 77, 7.841, 248.299

■ 17, 7.841, 248.299

■ 87, 7.841, 248.299

■ 7, 7.841, 248.299

■ 97, 7.841, 248.299

■ 0, 7.841, 248.299

■ 47, 7.841, 248.299

■ 47, 7.841, 248.299

■ 45, 11.700,
249.858

■ 49, 3.859, 247.017

■ 42, 15.412,

■ 52, 0.220, 64.459

251.752

54, 4.369, 64.846

40, 18.953,
254.036

57, 8.570, 64.099

38, 22.311,
256.773

59, 12.803, 63.444

36, 25.489,
260.017

62, 17.054, 62.879

34, 28.517,
263.797

67, 25.560, 61.959

32, 31.453,
268.082

70, 29.798, 61.582

30, 34.439,
272.475

30, 34.608,
272.697

Harmonies

Complementary

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



47, 7.841, 248.299



47, 8.448, 63.890

Rectangle

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



47, 7.841, 248.299



47, 7.841, 298.299



47, 7.841, 68.299



47, 7.841, 118.299

Sweetspot

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



47, 7.841, 248.291



64, 3.050, 246.673



50, 12.866, 157.142



33, 2.037, 246.721



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 7.841, 248.291



59, 11.435, 248.897



44, 12.993, 288.032



24, 2.284, 246.973



30, 34.950, 272.766



60, 61.483, 275.622

Inverse Universe

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



45, 12.900, 340.888



56, 18.965, 341.238



50, 12.568, 103.841



24, 3.677, 340.040



26, 51.452, 353.159



55, 85.851, 355.057

Previews

White Background



This preview shows how the CIELCh color 47, 7.841, 248.299 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, 7.841, 248.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

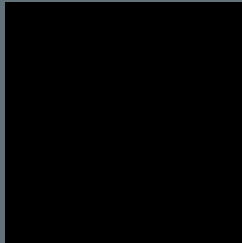
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

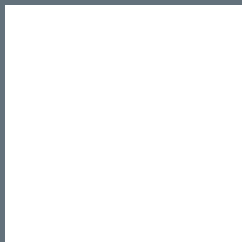
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 7.841, 248.299

Background



This preview shows how black text looks on a background with the CIELCh color 47, 7.841, 248.299.



This preview shows how white text looks on a background with the CIELCh color 47, 7.841, 248.299.

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

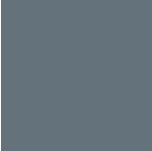
47, 7.841, 248.299

Protanopia

47, 7.116, 291.151

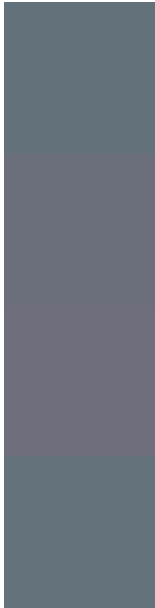
Deuteranopia

47, 10.041, 309.620



Tritanopia
47, 7.682, 243.025

Trichromacy



Original Color
47, 7.841, 248.299

Protanomaly
47, 7.325, 275.893

Deuteranomaly
47, 8.300, 291.309

Tritanomaly
47, 7.682, 243.025

Monochromacy



Original Color
47, 7.841, 248.299

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 3.065, 250.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 7.841, 248.299 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, 113, 123)` looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 123)  
}
```

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, 113, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 7.841, 248.299 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, 113, 123) }
```

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

```
.border{ border-color:rgb(99, 113, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 123);  
box-shadow:4px 4px 4px 4px rgb(99, 113,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 7.841, 248.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 123) }
```

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

```
.background{ background-color: rgb(99, 113,  
123) }
```

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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