

Converting Colors

CIELCh(47, 20.739, 293.911)

Have a look what the booklet for
CIELCh(47, 20.739, 293.911)
contains.

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Color

CIELCh(47, 20.772, 293.931)

Conversions

Conversions Part 1

Format	Color
Hex	6D6C8F
RGB	109, 108, 143
RGB Percent	43%, 42%, 56%
CMY	0.5718, 0.5757, 0.4384
CMYK	0.24, 0.24, 0.00, 0.44
HSL	242°, 14%, 49%
HSV	242°, 24%, 56%
XYZ	16.6878, 16.0195, 28.2809
YIQ	112.2890, -10.6390, 11.0970

Conversions

Conversions Part 2

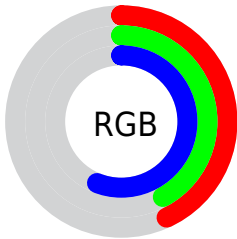
Format	Color
R_{YB}	109, 108, 143
Decimal	7171215
CIE _{Lab}	47.00, 8.43, -18.99
CIE _{LCh}	47, 20.772, 293.931
Yxy	16.0195, 0.2736, 0.2627
Android (android.graphics.Color)	4285361295 (0xFF6D6C8F)
YUV	112.2890, 15.1405, -2.8845
Hunter-Lab	40.0243, 4.3814, -13.8769

Details

The CIELCh color $47, 20.772, 293.931$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 19.644, 109.118$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 21.069, 294.202$, and $27, 20.853, 293.176$ is the 20% darker color. If you saturate the color by 10%, you get $42, 29.874, 295.324$, and if you desaturate by 10%, it is $52, 12.032, 292.736$.

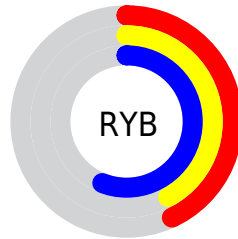
Distribution



Red (43%)

Green (42%)

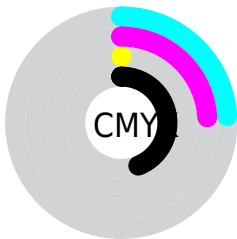
Blue (56%)



Red (43%)

Yellow (42%)

Blue (56%)

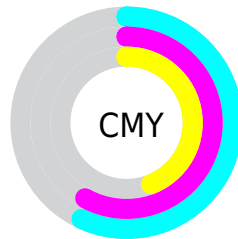


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (44%)



Cyan (57%)

Magenta (58%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 20.772, 293.931 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, 20.772, 293.931 by changing the saturation by 10% instead.

■ 47, 20.772,
293.931

■ 47, 20.772,
293.931

■ 100, 20.772,
293.931

■ 37, 20.772,
293.931

■ 67, 20.772,
293.931

■ 27, 20.772,
293.931

■ 77, 20.772,
293.931

■ 17, 20.772,
293.931

■ 87, 20.772,
293.931

■ 7, 20.772, 293.931

■ 97, 20.772,
293.931

■ 0, 20.772, 293.931

■ 47, 20.772,

■ 47, 20.772,

293.931

42, 29.874,
295.324

37, 39.349,
296.933

32, 49.156,
298.749

27, 59.136,
300.719

23, 68.876,
302.709

19, 77.530,
304.482

17, 83.870,
305.748

16, 86.913,
306.402

293.931

52, 12.032,
292.736

57, 3.637, 291.722

62, 4.439, 110.830

67, 12.220,
110.090

72, 19.725,
109.452

77, 26.975,
108.902

82, 33.985,
108.427

87, 40.772,
108.016

■ 92, 47.350,
107.657

Harmonies

Complementary

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



47, 20.772, 293.931



59, 19.644, 109.118

Rectangle

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



47, 20.772, 293.931



47, 20.772, 343.931



47, 20.772, 113.931



47, 20.772, 163.931

Sweetspot

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



47, 20.771, 293.930



71, 7.123, 291.978



57, 12.525, 199.770



37, 4.669, 292.027



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



47, 20.771, 293.930



57, 30.842, 294.624



49, 21.802, 310.754



27, 4.644, 292.179



14, 83.321, 306.410



0, 3.086, 291.306

Inverse Universe

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



50, 23.980, 326.521



62, 35.197, 326.797



57, 21.128, 128.570



28, 5.501, 325.684



31, 70.544, 329.373



1, 3.695, 325.210

Previews

White Background



This preview shows how the CIELCh color 47, 20.772, 293.931 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 CIELCh color 47, 20.772, 293.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

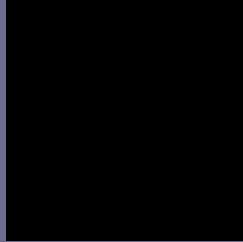
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 20.772, 293.931

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.772, 293.931.



This preview shows how white text looks on a background with the CIELCh color 47, 20.772, 293.931.

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, 20.772, 293.931

Protanopia

47, 20.828, 285.225

Deuteranopia

47, 20.167, 288.836



Tritanopia
47, 5.924, 263.639

Trichromacy



Original Color
47, 20.772, 293.931

Protanomaly
47, 20.754, 289.041

Deuteranomaly
47, 20.143, 290.833

Tritanomaly
47, 10.729, 283.525

Monochromacy



Original Color
47, 20.772, 293.931

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.104, 291.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.772, 293.931 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(109, 108, 143)` looks like.

```
.text, #text, p{  
    color:rgb(109, 108, 143)  
}
```

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(109, 108, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 108, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.772, 293.931 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(109, 108, 143) }
```

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

```
.border{ border-color:rgb(109, 108, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 108, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 108, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 108, 143);  
box-shadow:4px 4px 4px 4px rgb(109, 108,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.772, 293.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 108, 143) }
```

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

```
.background{ background-color: rgb(109,  
108, 143) }
```

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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