

Converting Colors

CIELCh(47, 14.628, 249.332)

Have a look what the booklet for
CIELCh(47, 14.628, 249.332)
contains.

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Color

CIELCh(47, 14.628, 249.332)

Conversions

Conversions Part 1

Format	Color
Hex	577386
RGB	87, 115, 134
RGB Percent	34%, 45%, 53%
CMY	0.6587, 0.5489, 0.4744
CMYK	0.35, 0.14, 0.00, 0.47
HSL	204°, 21%, 43%
HSV	204°, 35%, 53%
XYZ	14.3739, 16.0195, 24.9016
YIQ	108.7940, -22.7870, -0.0270

Conversions

Conversions Part 2

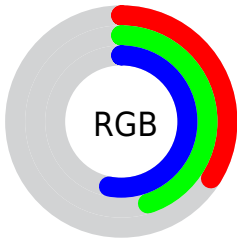
Format	Color
R_{YB}	87, 105, 134
Decimal	5731206
CIE _{Lab}	47.00, -5.16, -13.69
CIE _{LCh}	47, 14.628, 249.332
Yxy	16.0195, 0.2600, 0.2897
Android (android.graphics.Color)	4283921286 (0xFF577386)
YUV	108.7940, 12.4266, -19.1133
Hunter-Lab	40.0243, -5.9378, -8.8709

Details

The CIELCh color $47, 14.628, 249.332$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 17.049, 60.977$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 14.587, 248.393$, and $27, 14.396, 249.171$ is the 20% darker color. If you saturate the color by 10%, you get $45, 18.428, 251.431$, and if you desaturate by 10%, it is $49, 10.638, 247.597$.

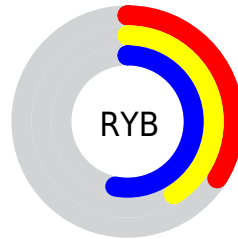
Distribution



Red (34%)

Green (45%)

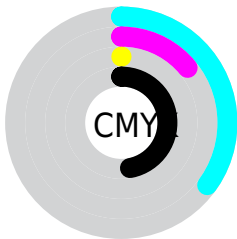
Blue (53%)



Red (34%)

Yellow (41%)

Blue (53%)

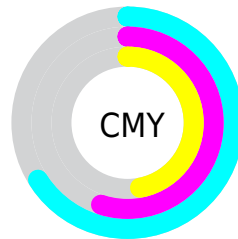


Cyan (35%)

Magenta (14%)

Yellow (0%)

Black (47%)



Cyan (66%)


Magenta (55%)

Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 14.628, 249.332 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, 14.628, 249.332 by changing the saturation by 10% instead.


 47, 14.628,
249.332


 47, 14.628,
249.332


 100, 14.628,
249.332


 37, 14.628,
249.332

 67, 14.628,
249.332


 27, 14.628,
249.332

 77, 14.628,
249.332


 17, 14.628,
249.332


 87, 14.628,
249.332

 7, 14.628, 249.332

 97, 14.628,
249.332

 0, 14.628, 249.332

 47, 14.628,

 47, 14.628,

249.332

249.332

■ 45, 18.428,
251.431

■ 49, 10.638,
247.597

■ 42, 22.018,
253.969

■ 52, 6.489, 246.177

■ 40, 25.391,
257.009

■ 55, 2.211, 245.081

■ 57, 2.167, 63.785

■ 38, 28.566,
260.597

■ 60, 6.620, 63.052

■ 36, 31.592,
264.733

■ 63, 11.123, 62.368

■ 65, 15.658, 61.777

■ 34, 34.562,
269.312

■ 68, 20.210, 61.268

■ 33, 36.083,
271.472

■ 71, 24.765, 60.827

Harmonies

Complementary

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



47, 14.628, 249.332



47, 17.049, 60.977

Rectangle

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



47, 14.628, 249.332



47, 14.628, 299.332



47, 14.628, 69.332



47, 14.628, 119.332

Sweetspot

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



47, 14.627, 249.329



67, 5.878, 245.711



52, 24.669, 155.613



35, 3.927, 245.843



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 14.627, 249.329



58, 21.291, 250.947



40, 25.780, 290.406



27, 2.427, 245.473



32, 35.224, 271.311



0, 0.588, 244.419

Inverse Universe

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



43, 25.177, 341.684



52, 37.051, 342.473



54, 24.141, 102.203



26, 3.967, 339.455



28, 53.206, 352.261



0, 0.942, 338.828

Previews

White Background



This preview shows how the CIE LCh color 47, 14.628, 249.332 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, 14.628, 249.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

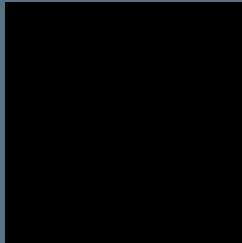
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

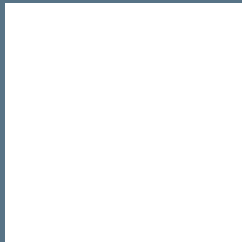
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 14.628, 249.332

Background



This preview shows how black text looks on a background with the CIELCh color 47, 14.628, 249.332.



This preview shows how white text looks on a background with the CIELCh color 47, 14.628, 249.332.

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, 14.628, 249.332

Protanopia

47, 12.472, 286.694

Deuteranopia

47, 15.430, 293.625



Tritanopia
47, 12.461, 226.919

Trichromacy



Original Color
47, 14.628, 249.332

Protanomaly
47, 12.504, 271.136

Deuteranomaly
47, 14.493, 279.011

Tritanomaly
47, 12.955, 235.149

Monochromacy



Original Color
47, 14.628, 249.332

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.618, 247.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 14.628, 249.332 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(87, 115, 134)` looks like.

```
.text, #text, p{  
    color:rgb(87, 115, 134)  
}
```

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(87, 115, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 115, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 14.628, 249.332 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(87, 115, 134) }
```

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

```
.border{ border-color:rgb(87, 115, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 115, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 115, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 115, 134);  
box-shadow:4px 4px 4px 4px rgb(87, 115,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 14.628, 249.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 115, 134) }
```

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

```
.background{ background-color: rgb(87, 115,  
134) }
```

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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