

Converting Colors

CIELCh(47, 16.780, 257.602)

Have a look what the booklet for
CIELCh(47, 16.780, 257.602)
contains.

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Color

CIELCh(47, 17.123, 259.264)

Conversions

Conversions Part 1

Format	Color
Hex	57728B
RGB	87, 114, 139
RGB Percent	34%, 45%, 55%
CMY	0.6576, 0.5517, 0.4536
CMYK	0.37, 0.18, 0.00, 0.45
HSL	209°, 23%, 44%
HSV	209°, 37%, 55%
XYZ	14.6957, 16.0195, 26.8670
YIQ	108.7770, -24.1170, 2.0510

Conversions

Conversions Part 2

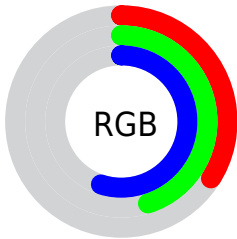
Format	Color
R_{YB}	87, 105, 139
Decimal	5730955
CIE _{Lab}	47.00, -3.19, -16.82
CIE _{LCh}	47, 17.123, 259.264
Yxy	16.0195, 0.2552, 0.2782
Android (android.graphics.Color)	4283921035 (0xFF57728B)
YUV	108.7770, 14.8999, -19.0984
Hunter-Lab	40.0243, -4.5026, -11.7824

Details

The CIELCh color $47, 17.123, 259.264$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $49, 19.203, 68.935$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.184, 259.701$, and $27, 17.218, 259.940$ is the 20% darker color. If you saturate the color by 10%, you get $44, 21.485, 261.604$, and if you desaturate by 10%, it is $50, 12.650, 257.294$.

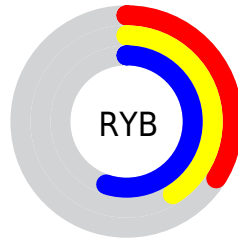
Distribution



Red (34%)

Green (45%)

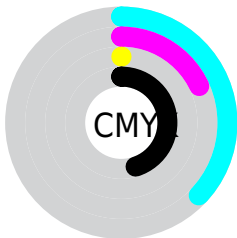
Blue (55%)



Red (34%)

Yellow (41%)

Blue (55%)

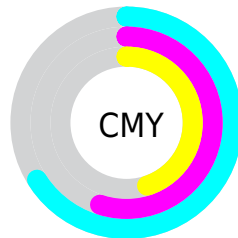


Cyan (37%)

Magenta (18%)

Yellow (0%)

Black (45%)



Cyan (66%)


Magenta (55%)

Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 17.123, 259.264 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, 17.123, 259.264 by changing the saturation by 10% instead.


 47, 17.123,
259.264


 47, 17.123,
259.264


 100, 17.123,
259.264


 37, 17.123,
259.264

 67, 17.123,
259.264


 27, 17.123,
259.264

 77, 17.123,
259.264

 17, 17.123,
259.264

 87, 17.123,
259.264

 7, 17.123, 259.264

 97, 17.123,
259.264

 0, 17.123, 259.264

 47, 17.123,

 47, 17.123,

259.264

259.264

■ 44, 21.485,
261.604

■ 50, 12.650,
257.294

■ 41, 25.735,
264.376

■ 53, 8.084, 255.645

■ 39, 29.883,
267.620

■ 56, 3.443, 254.293

■ 59, 1.253, 72.785

■ 36, 33.965,
271.346

■ 62, 5.983, 71.956

■ 34, 38.043,
275.509

■ 65, 10.731, 71.107

■ 68, 15.483, 70.362

■ 31, 42.209,
279.884

■ 71, 20.226, 69.710

■ 31, 43.360,
280.970

■ 74, 24.951, 69.136

Harmonies

Complementary

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



47, 17.123, 259.264



49, 19.203, 68.935

Rectangle

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



47, 17.123, 259.264



47, 17.123, 309.264



47, 17.123, 79.264



47, 17.123, 129.264

Sweetspot

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



47, 17.122, 259.262



70, 6.381, 254.783



54, 25.646, 158.477



36, 4.318, 254.941



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



47, 17.122, 259.262



57, 25.336, 261.262



40, 30.693, 293.616



28, 2.622, 254.513



29, 41.648, 280.733



1, 1.224, 253.329

Inverse Universe

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



44, 26.369, 346.057



53, 39.175, 347.098



56, 28.183, 105.220



27, 3.882, 343.313



28, 52.502, 358.984



0, 1.783, 342.632

Previews

White Background



This preview shows how the CIELCh color 47, 17.123, 259.264 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, 17.123, 259.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

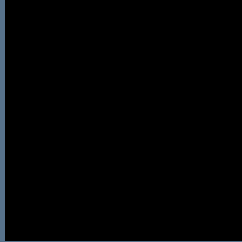
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

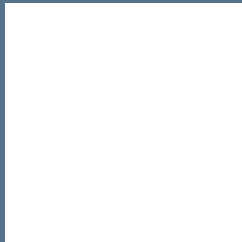
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 17.123, 259.264

Background



This preview shows how black text looks on a background with the CIELCh color 47, 17.123, 259.264.



This preview shows how white text looks on a background with the CIELCh color 47, 17.123, 259.264.

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, 17.123, 259.264

Protanopia

47, 15.468, 285.469

Deuteranopia

47, 18.375, 290.387



Tritanopia
47, 12.834, 222.944

Trichromacy



Original Color
47, 17.123, 259.264

Protanomaly
47, 15.363, 274.476

Deuteranomaly
47, 17.486, 279.565

Tritanomaly
47, 13.820, 238.739

Monochromacy



Original Color
47, 17.123, 259.264

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.506, 254.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 17.123, 259.264 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, 114, 139)` looks like.

```
.text, #text, p{  
    color:rgb(87, 114, 139)  
}
```

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, 114, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 114, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 17.123, 259.264 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, 114, 139) }
```

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

```
.border{ border-color:rgb(87, 114, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 114, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 114, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 114, 139);  
box-shadow:4px 4px 4px 4px rgb(87, 114,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 17.123, 259.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 114, 139) }
```

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

```
.background{ background-color: rgb(87, 114,  
139) }
```

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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