

Converting Colors

CIELCh(47, 16.134, 243.258)

Have a look what the booklet for
CIELCh(47, 16.134, 243.258)
contains.

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Color

CIELCh(47, 16.080, 243.207)

Conversions

Conversions Part 1

Format	Color
Hex	517487
RGB	81, 116, 135
RGB Percent	32%, 45%, 53%
CMY	0.6820, 0.5447, 0.4702
CMYK	0.40, 0.14, 0.00, 0.47
HSL	201°, 25%, 42%
HSV	201°, 40%, 53%
XYZ	14.0390, 16.0195, 25.3113
YIQ	107.7010, -26.9590, -1.5110

Conversions

Conversions Part 2

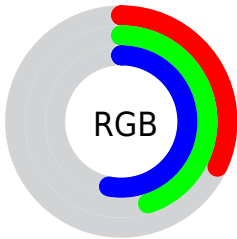
Format	Color
R_{YB}	81, 102, 135
Decimal	5338247
CIE _{Lab}	47.00, -7.25, -14.35
CIE _{LCh}	47, 16.080, 243.207
Yxy	16.0195, 0.2536, 0.2893
Android (android.graphics.Color)	4283528327 (0xFF517487)
YUV	107.7010, 13.4584, -23.4168
Hunter-Lab	40.0243, -7.4315, -9.4778

Details

The CIELCh color $47, 16.080, 243.207$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $45, 19.893, 54.905$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 15.876, 243.082$, and $27, 15.986, 242.329$ is the 20% darker color. If you saturate the color by 10%, you get $45, 19.533, 245.320$, and if you desaturate by 10%, it is $49, 12.361, 241.487$.

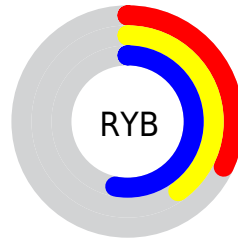
Distribution



Red (32%)

Green (45%)

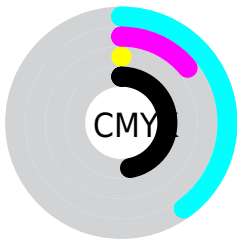
Blue (53%)



Red (32%)

Yellow (40%)

Blue (53%)

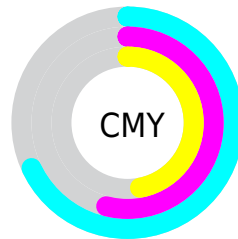


Cyan (40%)

Magenta (14%)

Yellow (0%)

Black (47%)



Cyan (68%)


Magenta (54%)

Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.080, 243.207 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, 16.080, 243.207 by changing the saturation by 10% instead.


 47, 16.080,
243.207


 47, 16.080,
243.207


 100, 16.080,
243.207


 37, 16.080,
243.207

 67, 16.080,
243.207


 27, 16.080,
243.207

 77, 16.080,
243.207

 17, 16.080,
243.207

 87, 16.080,
243.207

 7, 16.080, 243.207

 97, 16.080,
243.207

 0, 16.080, 243.207

 47, 16.080,

 47, 16.080,

243.207

■ 45, 19.533,
245.320

■ 43, 22.696,
247.909

■ 41, 25.561,
251.045

■ 39, 28.152,
254.780

■ 37, 30.534,
259.113

■ 35, 32.884,
263.680

■ 35, 32.892,
263.693

243.207

■ 49, 12.361,
241.487

■ 52, 8.414, 240.101

■ 54, 4.278, 239.003

■ 56, 0.011, 24.455

■ 59, 4.413, 57.150

■ 61, 8.904, 56.565

■ 64, 13.455, 56.061

■ 66, 18.048, 55.637

■ 69, 22.663, 55.279

Harmonies

Complementary

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



47, 16.080, 243.207



45, 19.893, 54.905

Rectangle

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



47, 16.080, 243.207



47, 16.080, 293.207



47, 16.080, 63.207



47, 16.080, 113.207

Sweetspot

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



47, 16.079, 243.205



68, 6.363, 239.229



52, 29.333, 152.932



36, 4.246, 239.342



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 16.079, 243.205



58, 23.345, 245.112



39, 28.133, 288.912



27, 2.386, 238.923



34, 31.924, 263.485



0, 0.580, 238.009

Inverse Universe

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



42, 29.809, 339.562



51, 43.939, 340.435



53, 26.380, 98.914



26, 4.117, 337.054



28, 54.620, 348.076



0, 0.978, 336.459

Previews

White Background



This preview shows how the CIELCh color 47, 16.080, 243.207 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, 16.080, 243.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

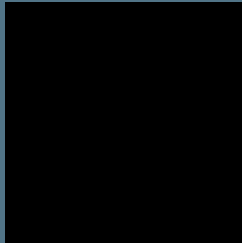
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

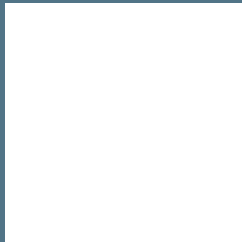
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 16.080, 243.207

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.080, 243.207.

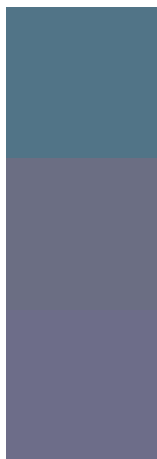


This preview shows how white text looks on a background with the CIELCh color 47, 16.080, 243.207.

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, 16.080, 243.207

Protanopia

47, 12.472, 286.694

Deuteranopia

47, 16.602, 292.404



Tritanopia
47, 14.431, 222.527

Trichromacy



Original Color
47, 16.080, 243.207

Protanomaly
47, 12.747, 268.118

Deuteranomaly
47, 14.809, 273.636

Tritanomaly
47, 14.765, 229.875

Monochromacy



Original Color
47, 16.080, 243.207

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.428, 239.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.080, 243.207 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(81, 116, 135)` looks like.

```
.text, #text, p{  
    color:rgb(81, 116, 135)  
}
```

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(81, 116, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 116, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.080, 243.207 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(81, 116, 135) }
```

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

```
.border{ border-color:rgb(81, 116, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 116, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 116, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 116, 135);  
box-shadow:4px 4px 4px 4px rgb(81, 116,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.080, 243.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 116, 135) }
```

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

```
.background{ background-color: rgb(81, 116,  
135) }
```

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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