

Converting Colors

CIELCh(47, 20.872, 243.758)

Have a look what the booklet for
CIELCh(47, 20.872, 243.758)
contains.

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Color

CIELCh(47, 20.875, 243.837)

Conversions

Conversions Part 1

Format	Color
Hex	44758E
RGB	68, 117, 142
RGB Percent	27%, 46%, 56%
CMY	0.7318, 0.5397, 0.4416
CMYK	0.52, 0.18, 0.00, 0.44
HSL	200°, 35%, 41%
HSV	200°, 52%, 56%
XYZ	13.7296, 16.0195, 28.1150
YIQ	105.1990, -37.2290, -2.6130

Conversions

Conversions Part 2

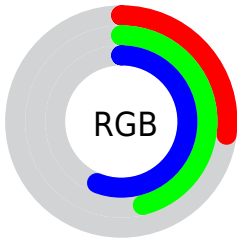
Format	Color
R _{YB}	68, 97, 142
Decimal	4486542
CIE _{Lab}	47.00, -9.20, -18.74
CIE _{LCh}	47, 20.875, 243.837
Yxy	16.0195, 0.2373, 0.2768
Android (android.graphics.Color)	4282676622 (0xFF44758E)
YUV	105.1990, 18.1429, -32.6235
Hunter-Lab	40.0243, -8.8113, -13.6311

Details

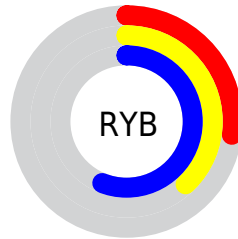
The CIELCh color $47, 20.875, 243.837$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $44, 28.252, 52.777$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 20.973, 244.227$, and $27, 20.931, 243.998$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.019, 246.485$, and if you desaturate by 10%, it is $49, 17.400, 241.680$.

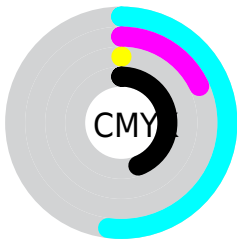
Distribution



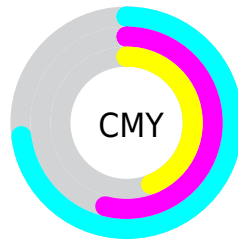
- Red (27%)
- Green (46%)
- Blue (56%)



- Red (27%)
- Yellow (38%)
- Blue (56%)



- Cyan (52%)
- Magenta (18%)
- Yellow (0%)
- Black (44%)




- Cyan (73%)
- Magenta (54%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 20.875, 243.837 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, 20.875, 243.837 by changing the saturation by 10% instead.


 47, 20.875,
243.837


 47, 20.875,
243.837


 100, 20.875,
243.837

 37, 20.875,
243.837

 67, 20.875,
243.837


 27, 20.875,
243.837

 77, 20.875,
243.837

 17, 20.875,
243.837

 87, 20.875,
243.837

 7, 20.875, 243.837

 97, 20.875,
243.837

 0, 20.875, 243.837

 47, 20.875,

 47, 20.875,

243.837

243.837

■ 45, 24.019,
246.485

■ 49, 17.400,
241.680

■ 43, 26.830,
249.703

■ 51, 13.623,
239.938

■ 41, 29.338,
253.540

■ 54, 9.584, 238.539

■ 39, 31.620,
257.988

■ 56, 5.326, 237.432

■ 59, 0.891, 236.862

■ 38, 33.443,
261.690

■ 61, 3.681, 55.589

■ 64, 8.355, 55.037

■ 66, 13.104, 54.555

■ 69, 17.904, 54.152

Harmonies

Complementary

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



47, 20.875, 243.837



44, 28.252, 52.777

Rectangle

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



47, 20.875, 243.837



47, 20.875, 293.837



47, 20.875, 63.837



47, 20.875, 113.837

Sweetspot

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



47, 20.874, 243.836



71, 8.790, 237.882



53, 39.760, 150.786



37, 5.959, 238.086



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, 20.874, 243.836



58, 29.752, 246.892



36, 38.219, 290.611



29, 2.532, 237.176



36, 32.108, 261.417



1, 1.738, 236.296

Inverse Universe

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



40, 40.139, 340.065



48, 57.734, 341.304



54, 35.008, 96.528



28, 4.423, 336.459



29, 56.559, 347.119



1, 2.964, 335.863

Previews

White Background



This preview shows how the CIE LCh color 47, 20.875, 243.837 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, 20.875, 243.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

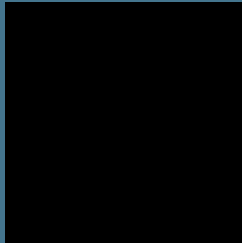
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 20.875, 243.837

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.875, 243.837.

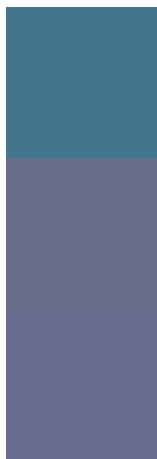


This preview shows how white text looks on a background with the CIELCh color 47, 20.875, 243.837.

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, 20.875, 243.837

Protanopia

47, 16.054, 285.820

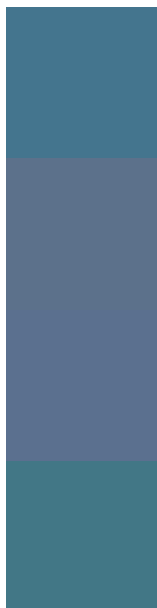
Deuteranopia

47, 20.773, 288.084



Tritanopia
47, 19.056, 213.947

Trichromacy



Original Color
47, 20.875, 243.837

Protanomaly
47, 16.779, 266.304

Deuteranomaly
47, 19.438, 270.940

Tritanomaly
47, 19.052, 225.836

Monochromacy



Original Color
47, 20.875, 243.837

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 8.532, 237.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.875, 243.837 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(68, 117, 142)` looks like.

```
.text, #text, p{  
    color:rgb(68, 117, 142)  
}
```

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(68, 117, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 117, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.875, 243.837 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(68, 117, 142) }
```

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

```
.border{ border-color:rgb(68, 117, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 117, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 117, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 117, 142);  
box-shadow:4px 4px 4px 4px rgb(68, 117,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.875, 243.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 117, 142) }
```

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

```
.background{ background-color: rgb(68, 117,  
142) }
```

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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