

Converting Colors

CIELCh(47, 20.157, 242.783)

Have a look what the booklet for
CIELCh(47, 20.157, 242.783)
contains.

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Color

CIELCh(47, 20.177, 243.444)

Conversions

Conversions Part 1

Format	Color
Hex	46758D
RGB	70, 117, 141
RGB Percent	27%, 46%, 55%
CMY	0.7245, 0.5402, 0.4461
CMYK	0.50, 0.17, 0.00, 0.45
HSL	200°, 34%, 41%
HSV	200°, 50%, 55%
XYZ	13.7585, 16.0195, 27.6618
YIQ	105.6830, -35.7160, -2.5000

Conversions

Conversions Part 2

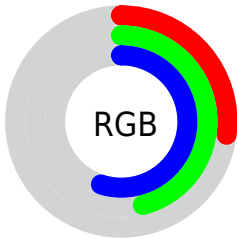
Format	Color
RYB	70, 98, 141
Decimal	4617613
CIELab	47.00, -9.02, -18.05
CIELCh	47, 20.177, 243.444
Yxy	16.0195, 0.2395, 0.2789
Android (android.graphics.Color)	4282807693 (0xFF46758D)
YUV	105.6830, 17.4113, -31.2940
Hunter-Lab	40.0243, -8.6825, -12.9598

Details

The CIELCh color **47, 20.177, 243.444** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **44, 26.983, 52.872**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 20.236, 244.116**, and **27, 20.245, 243.340** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.359, 245.999**, and if you desaturate by 10%, it is **49, 16.670, 241.365**.

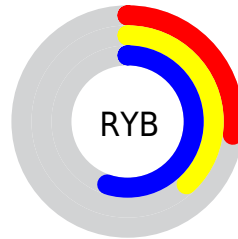
Distribution



Red (27%)

Green (46%)

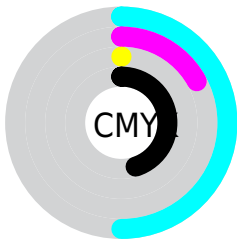
Blue (55%)



Red (27%)

Yellow (38%)

Blue (55%)

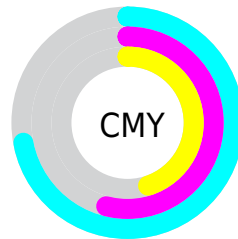


Cyan (50%)

Magenta (17%)

Yellow (0%)

Black (45%)



Cyan (72%)

Magenta (54%)

Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 20.177, 243.444 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, 20.177, 243.444 by changing the saturation by 10% instead.

 47, 20.177,
243.444

 47, 20.177,
243.444

 100, 20.177,
243.444

 37, 20.177,
243.444

 67, 20.177,
243.444

 27, 20.177,
243.444

 77, 20.177,
243.444

 17, 20.177,
243.444

 87, 20.177,
243.444

 7, 20.177, 243.444

 97, 20.177,
243.444

 0, 20.177, 243.444

 47, 20.177,

 47, 20.177,

243.444

243.444

■ 45, 23.359,
245.999

■ 49, 16.670,
241.365

■ 43, 26.208,
249.112

■ 51, 12.870,
239.688

■ 41, 28.750,
252.836

■ 54, 8.817, 238.342

■ 39, 31.050,
257.178

■ 56, 4.554, 237.284

■ 59, 0.123, 239.370

■ 38, 33.238,
261.664

■ 61, 4.439, 55.507

■ 64, 9.097, 54.961

■ 66, 13.824, 54.493

■ 69, 18.599, 54.102

Harmonies

Complementary

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



47, 20.177, 243.444



44, 26.983, 52.872

Rectangle

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



47, 20.177, 243.444



47, 20.177, 293.444



47, 20.177, 63.444



47, 20.177, 113.444

Sweetspot

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



47, 20.176, 243.443



70, 8.165, 237.783



53, 38.304, 151.009



36, 5.531, 237.984



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, 20.176, 243.443



58, 28.699, 246.288



37, 36.613, 290.222



29, 2.532, 237.189



36, 32.113, 261.433



1, 1.738, 236.308

Inverse Universe

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



40, 38.699, 339.895



48, 55.646, 341.066



54, 33.690, 96.727



28, 4.423, 336.463



29, 56.556, 347.126



1, 2.964, 335.867

Previews

White Background



This preview shows how the CIELCh color 47, 20.177, 243.444 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, 20.177, 243.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

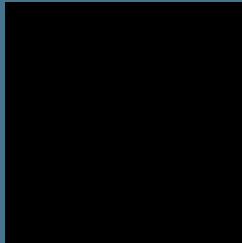
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 20.177, 243.444

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.177, 243.444.

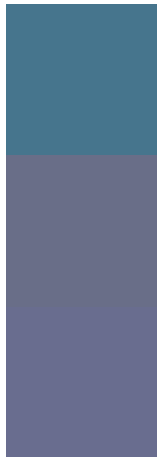


This preview shows how white text looks on a background with the CIELCh color 47, 20.177, 243.444.

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, 20.177, 243.444

Protanopia

47, 15.468, 285.469

Deuteranopia

47, 20.167, 288.836



Tritanopia
47, 18.388, 216.628

Trichromacy



Original Color
47, 20.177, 243.444

Protanomaly
47, 16.266, 265.223

Deuteranomaly
47, 18.796, 271.041

Tritanomaly
47, 18.369, 227.077

Monochromacy



Original Color
47, 20.177, 243.444

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 8.256, 239.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.177, 243.444 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(70, 117, 141)` looks like.

```
.text, #text, p{  
    color:rgb(70, 117, 141)  
}
```

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(70, 117, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 117, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.177, 243.444 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(70, 117, 141) }
```

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

```
.border{ border-color:rgb(70, 117, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 117, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 117, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 117, 141);  
box-shadow:4px 4px 4px 4px rgb(70, 117,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.177, 243.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 117, 141) }
```

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

```
.background{ background-color: rgb(70, 117,  
141) }
```

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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