

Converting Colors

CIELCh(47, 15.136, 201.043)

Have a look what the booklet for
CIELCh(47, 15.136, 201.043)
contains.

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Color

CIELCh(47, 15.149, 200.045)

Conversions

Conversions Part 1

Format	Color
Hex	4D7778
RGB	77, 119, 120
RGB Percent	30%, 47%, 47%
CMY	0.6994, 0.5347, 0.5308
CMYK	0.36, 0.01, 0.00, 0.53
HSL	181°, 22%, 38%
HSV	181°, 36%, 47%
XYZ	12.9554, 16.0195, 20.0654
YIQ	106.5560, -25.3530, -8.5930

Conversions

Conversions Part 2

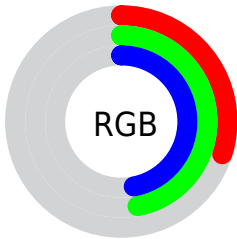
Format	Color
RYB	77, 98, 120
Decimal	5076856
CIELab	47.00, -14.23, -5.19
CIELCh	47, 15.149, 200.045
Yxy	16.0195, 0.2642, 0.3267
Android (android.graphics.Color)	4283266936 (0xFF4D7778)
YUV	106.5560, 6.6279, -25.9206
Hunter-Lab	40.0243, -12.2642, -1.7068

Details

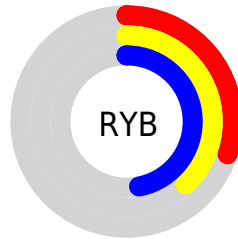
The CIELCh color $47, 15.149, 200.045$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 19.289, 24.131$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 15.048, 200.294$, and $27, 14.920, 202.205$ is the 20% darker color. If you saturate the color by 10%, you get $46, 18.523, 199.794$, and if you desaturate by 10%, it is $48, 11.349, 200.362$.

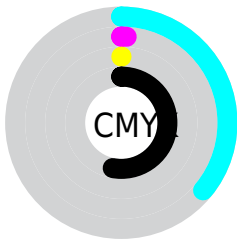
Distribution



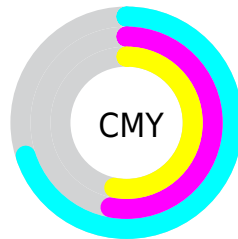
- Red (30%)
- Green (47%)
- Blue (47%)



- Red (30%)
- Yellow (38%)
- Blue (47%)



- Cyan (36%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)





- Cyan (70%)
- Magenta (53%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 15.149, 200.045 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, 15.149, 200.045 by changing the saturation by 10% instead.


 47, 15.149,
200.045


 47, 15.149,
200.045


 100, 15.149,
200.045


 37, 15.149,
200.045

 67, 15.149,
200.045


 27, 15.149,
200.045

 77, 15.149,
200.045

 17, 15.149,
200.045

 87, 15.149,
200.045

 7, 15.149, 200.045

 97, 15.149,
200.045

 0, 15.149, 200.045

 47, 15.149,

 47, 15.149,

200.045

■ 46, 18.523,
199.794

■ 46, 21.409,
199.625

■ 45, 23.758,
199.544

■ 45, 25.540,
199.556

■ 45, 26.757,
199.666

■ 44, 27.488,
199.863

■ 44, 27.755,
199.947

200.045

■ 48, 11.349,
200.362

■ 49, 7.192, 200.753

■ 50, 2.746, 201.259

■ 51, 1.923, 21.383

■ 52, 6.757, 22.017

■ 53, 11.706, 22.555

■ 54, 16.729, 23.096

■ 56, 21.792, 23.643

■ 57, 26.868, 24.192

Harmonies

Complementary

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



47, 15.149, 200.045



38, 19.289, 24.131

Rectangle

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



47, 15.149, 200.045



47, 15.149, 250.045



47, 15.149, 20.045



47, 15.149, 70.045

Sweetspot

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



47, 15.149, 200.042



63, 6.232, 200.964



46, 30.560, 142.391



33, 4.209, 200.914



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 15.149, 200.042



60, 21.688, 199.834



40, 15.130, 262.846



24, 2.545, 201.078



45, 28.209, 199.956



88, 47.746, 200.161

Inverse Universe

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



39, 30.402, 326.940



48, 44.714, 327.339



43, 16.491, 72.856



23, 4.683, 325.517



28, 65.961, 329.144



59, 111.720, 329.195

Previews

White Background



This preview shows how the CIELCh color 47, 15.149, 200.045 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, 15.149, 200.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

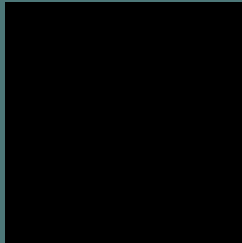
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 15.149, 200.045

Background



This preview shows how black text looks on a background with the CIELCh color 47, 15.149, 200.045.



This preview shows how white text looks on a background with the CIELCh color 47, 15.149, 200.045.

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, 15.149, 200.045

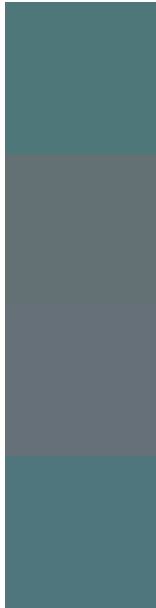
Protanopia
47, 3.085, 305.686

Deuteranopia
47, 9.077, 314.342



Tritanopia
47, 14.556, 219.680

Trichromacy



Original Color
47, 15.149, 200.045

Protanomaly
47, 5.875, 222.779

Deuteranomaly
47, 6.497, 254.554

Tritanomaly
47, 14.547, 212.194

Monochromacy



Original Color
47, 15.149, 200.045

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.293, 198.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 15.149, 200.045 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(77, 119, 120)` looks like.

```
.text, #text, p{  
    color:rgb(77, 119, 120)  
}
```

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(77, 119, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 119, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 15.149, 200.045 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(77, 119, 120) }
```

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

```
.border{ border-color:rgb(77, 119, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 119, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 119, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 119, 120);  
box-shadow:4px 4px 4px 4px rgb(77, 119,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 15.149, 200.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 119, 120) }
```

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

```
.background{ background-color: rgb(77, 119,  
120) }
```

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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