

Converting Colors

CIELCh(47, 29.070, 245.612)

Have a look what the booklet for
CIELCh(47, 29.070, 245.612)
contains.

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Color

CIELCh(47, 28.984, 245.804)

Conversions

Conversions Part 1

Format	Color
Hex	24779B
RGB	36, 119, 155
RGB Percent	14%, 47%, 61%
CMY	0.8571, 0.5322, 0.3910
CMYK	0.77, 0.23, 0.00, 0.39
HSL	198°, 62%, 38%
HSV	198°, 77%, 61%
XYZ	13.3139, 16.0195, 33.5301
YIQ	98.2870, -61.0240, -6.4000

Conversions

Conversions Part 2

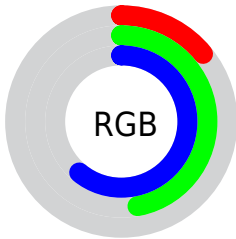
Format	Color
R_{YB}	36, 85, 155
Decimal	2389915
CIE _{Lab}	47.00, -11.88, -26.44
CIE _{LCh}	47, 28.984, 245.804
Yxy	16.0195, 0.2118, 0.2548
Android (android.graphics.Color)	4280579995 (0xFF24779B)
YUV	98.2870, 27.9595, -54.6257
Hunter-Lab	40.0243, -10.6653, -21.6528

Details

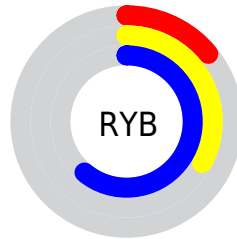
The CIELCh color `47, 28.984, 245.804` is a dark color, and the websafe version is hex `006699`. A complement of this color would be `41, 48.896, 48.977`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 29.159, 246.402`, and `28, 25.364, 256.270` is the 20% darker color. If you saturate the color by 10%, you get `45, 31.152, 249.790`, and if you desaturate by 10%, it is `49, 26.445, 242.474`.

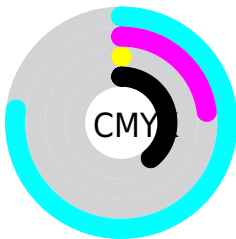
Distribution



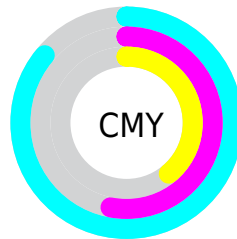
- Red (14%)
- Green (47%)
- Blue (61%)



- Red (14%)
- Yellow (33%)
- Blue (61%)



- Cyan (77%)
- Magenta (23%)
- Yellow (0%)
- Black (39%)



- Cyan (86%)
- Magenta (53%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 28.984, 245.804 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, 28.984, 245.804 by changing the saturation by 10% instead.

 47, 28.984,
245.804

 47, 28.984,
245.804

 100, 28.984,
245.804

 37, 28.984,
245.804

 67, 28.984,
245.804


 27, 28.984,
245.804

 77, 28.984,
245.804

 17, 28.984,
245.804

 87, 28.984,
245.804

 7, 28.984, 245.804

 97, 28.984,
245.804

 0, 28.984, 245.804

 47, 28.984,

 47, 28.984,

245.804

■ 45, 31.152,
249.790

■ 44, 33.074,
254.364

■ 43, 33.757,
255.931

245.804

■ 49, 26.445,
242.474

■ 51, 23.489,
239.751

■ 53, 20.111,
237.556

■ 55, 16.338,
235.804

■ 58, 12.218,
234.417

■ 60, 7.803, 233.329

■ 62, 3.150, 232.532

■ 65, 1.694, 51.459

■ 68, 6.684, 51.094

Harmonies

Complementary

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



47, 28.984, 245.804



41, 48.896, 48.977

Rectangle

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



47, 28.984, 245.804



47, 28.984, 295.804



47, 28.984, 65.804



47, 28.984, 115.804

Sweetspot

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



47, 28.983, 245.804



74, 13.198, 234.051



56, 60.928, 145.710



38, 9.126, 234.454



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



47, 28.983, 245.804



57, 39.474, 253.079



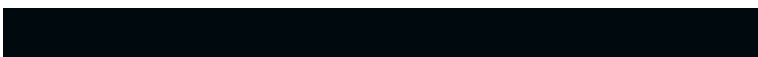
29, 60.333, 295.567



31, 2.677, 232.709



39, 31.207, 255.437



2, 2.945, 233.394

Inverse Universe

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



37, 58.833, 341.094



46, 76.598, 343.715



56, 51.451, 91.293



30, 4.803, 334.988



31, 59.300, 344.618



1, 5.111, 334.883

Previews

White Background



This preview shows how the CIELCh color 47, 28.984, 245.804 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, 28.984, 245.804 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, 28.984, 245.804

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.984, 245.804.

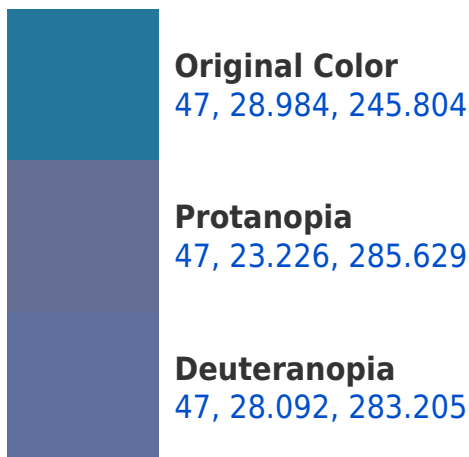


This preview shows how white text looks on a background with the CIELCh color 47, 28.984, 245.804.

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





Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 28.984, 245.804

Protanomaly
46, 24.664, 265.797

Deuteranomaly
46, 27.582, 267.483

Tritanomaly
47, 27.557, 221.417

Monochromacy



Original Color
47, 28.984, 245.804

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 13.046, 235.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.984, 245.804 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(36, 119, 155)` looks like.

```
.text, #text, p{  
    color:rgb(36, 119, 155)  
}
```

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(36, 119, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 119, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.984, 245.804 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(36, 119, 155) }
```

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

```
.border{ border-color:rgb(36, 119, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 119, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 119, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 119, 155);  
box-shadow:4px 4px 4px 4px rgb(36, 119,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.984, 245.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 119, 155) }
```

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

```
.background{ background-color: rgb(36, 119,  
155) }
```

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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