

Converting Colors

CIELCh(47, 41.035, 266.568)

Have a look what the booklet for
CIELCh(47, 41.035, 266.568)
contains.

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Color

CIELCh(47, 41.132, 266.869)

Conversions

Conversions Part 1

Format	Color
Hex	1574B4
RGB	21, 116, 180
RGB Percent	8%, 45%, 71%
CMY	0.9184, 0.5440, 0.2929
CMYK	0.88, 0.36, 0.00, 0.29
HSL	204°, 79%, 39%
HSV	204°, 88%, 71%
XYZ	14.8512, 16.0195, 45.6520
YIQ	94.8910, -77.1640, -0.2360

Conversions

Conversions Part 2

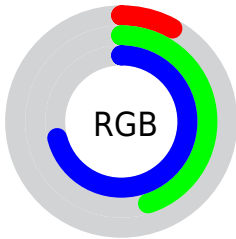
Format	Color
R_{YB}	21, 80, 180
Decimal	1406132
CIE _{Lab}	47.00, -2.25, -41.07
CIE _{LCh}	47, 41.132, 266.869
Yxy	16.0195, 0.1941, 0.2093
Android (android.graphics.Color)	4279596212 (0xFF1574B4)
YUV	94.8910, 41.9587, -64.8024
Hunter-Lab	40.0243, -3.8092, -39.6095

Details

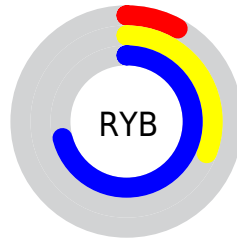
The CIELCh color $47, 41.132, 266.869$ is a dark color, and the websafe version is hex 006699 . A complement of this color would be $47, 62.096, 55.371$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 40.894, 266.531$, and $29, 38.930, 278.720$ is the 20% darker color. If you saturate the color by 10%, you get $45, 44.888, 271.731$, and if you desaturate by 10%, it is $50, 37.381, 262.347$.

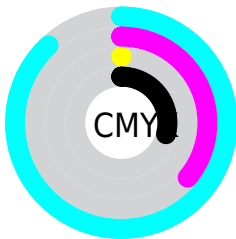
Distribution



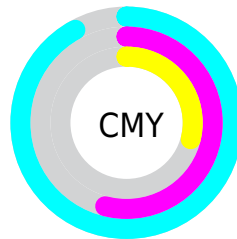
- Red (8%)
- Green (45%)
- Blue (71%)



- Red (8%)
- Yellow (31%)
- Blue (71%)



- Cyan (88%)
- Magenta (36%)
- Yellow (0%)
- Black (29%)



- Cyan (92%)
- Magenta (54%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 41.132, 266.869 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, 41.132, 266.869 by changing the saturation by 10% instead.

 47, 41.132,
266.869


 47, 41.132,
266.869

 100, 41.132,
266.869


 37, 41.132,
266.869

 67, 41.132,
266.869


 27, 41.132,
266.869

 77, 41.132,
266.869

 17, 41.132,
266.869

 87, 41.132,
266.869

 7, 41.132, 266.869

 97, 41.132,
266.869

 0, 41.132, 266.869

 47, 41.132,

 47, 41.132,

266.869

■ 45, 44.888,
271.731

■ 44, 45.487,
272.445

266.869

■ 50, 37.381,
262.347

■ 52, 33.484,
258.375

■ 55, 29.349,
254.989

■ 58, 24.932,
252.160

■ 61, 20.228,
249.822

■ 64, 15.260,
247.903

■ 67, 10.063,
246.334

■ 71, 4.679, 245.077

Harmonies

Complementary

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



47, 41.132, 266.869



47, 62.096, 55.371

Rectangle

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



47, 41.132, 266.869



47, 41.132, 316.869



47, 41.132, 86.869



47, 41.132, 136.869

Sweetspot

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



47, 41.131, 266.870



82, 17.961, 247.730



65, 69.946, 147.099



42, 12.020, 248.318



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



47, 41.131, 266.870



57, 56.166, 273.373



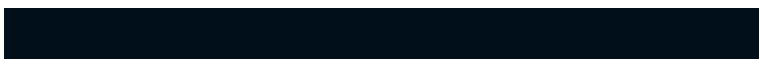
26, 89.340, 302.834



36, 3.102, 245.170



38, 39.886, 271.737



4, 8.098, 256.797

Inverse Universe

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



40, 66.147, 349.808



51, 81.782, 353.547



67, 67.132, 96.911



35, 5.090, 339.354



33, 59.802, 352.520



2, 11.292, 344.349

Previews

White Background



This preview shows how the CIE LCh color 47, 41.132, 266.869 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, 41.132, 266.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

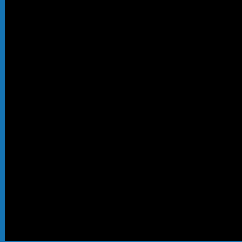
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 41.132, 266.869

Background



This preview shows how black text looks on a background with the CIELCh color 47, 41.132, 266.869.



This preview shows how white text looks on a background with the CIELCh color 47, 41.132, 266.869.

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, 28.236, 207.659

Trichromacy



Original Color
47, 41.106, 266.958

Protanomaly
47, 39.200, 275.911

Deuteranomaly
47, 41.952, 274.214

Tritanomaly
47, 29.131, 233.917

Monochromacy



Original Color
47, 41.106, 266.958

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 17.754, 250.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 41.132, 266.869 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(21, 116, 180)` looks like.

```
.text, #text, p{  
    color:rgb(21, 116, 180)  
}
```

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(21, 116, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 116, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 41.132, 266.869 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(21, 116, 180) }
```

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

```
.border{ border-color:rgb(21, 116, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 116, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 116, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 116, 180);  
box-shadow:4px 4px 4px 4px rgb(21, 116,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 41.132, 266.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 116, 180) }
```

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

```
.background{ background-color: rgb(21, 116,  
180) }
```

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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