

Converting Colors

CIELCh(47, 61.246, 284.894)

Have a look what the booklet for
CIELCh(47, 61.246, 284.894)
contains.

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Color

CIELCh(47, 61.246, 284.894)

Conversions

Conversions Part 1

Format	Color
Hex	246DD4
RGB	36, 109, 212
RGB Percent	14%, 43%, 83%
CMY	0.8601, 0.5731, 0.1693
CMYK	0.83, 0.49, 0.00, 0.17
HSL	215°, 71%, 49%
HSV	215°, 83%, 83%
XYZ	18.0305, 16.0195, 64.3155
YIQ	98.9150, -76.5710, 16.5570

Conversions

Conversions Part 2

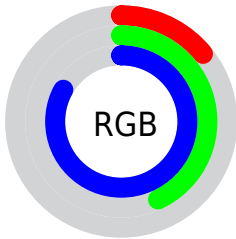
Format	Color
R_{YB}	36, 88, 212
Decimal	2387412
CIE _{Lab}	47.00, 15.74, -59.19
CIE _{LCh}	47, 61.246, 284.894
Yxy	16.0195, 0.1833, 0.1629
Android (android.graphics.Color)	4280577492 (0xFF246DD4)
YUV	98.9150, 55.7509, -55.1765
Hunter-Lab	40.0243, 10.3697, -67.2568

Details

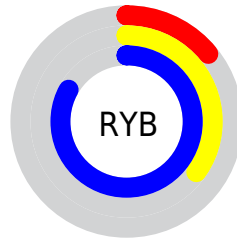
The CIELCh color **47, 61.246, 284.894** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **64, 64.642, 71.862**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.290, 281.723**, and **29, 59.297, 291.594** is the 20% darker color. If you saturate the color by 10%, you get **43, 69.114, 288.977**, and if you desaturate by 10%, it is **51, 53.580, 281.016**.

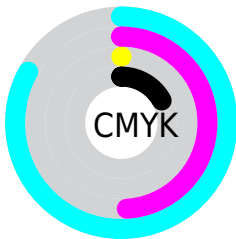
Distribution



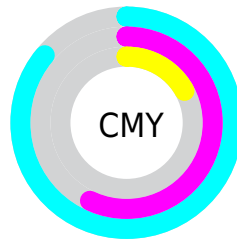
- Red (14%)
- Green (43%)
- Blue (83%)



- Red (14%)
- Yellow (35%)
- Blue (83%)



- Cyan (83%)
- Magenta (49%)
- Yellow (0%)
- Black (17%)




- Cyan (86%)
- Magenta (57%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 61.246, 284.894 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, 61.246, 284.894 by changing the saturation by 10% instead.

 47, 61.246,
284.894


 47, 61.246,
284.894


 100, 61.246,
284.894


 37, 61.246,
284.894

 67, 61.246,
284.894


 27, 61.246,
284.894

 77, 61.246,
284.894

 17, 61.246,
284.894

 87, 61.246,
284.894

 7, 61.246, 284.894

 97, 61.246,
284.894

 0, 61.246, 284.894

 47, 61.246,

 47, 61.246,

284.894

284.894

■ 43, 69.114,
288.977

■ 51, 53.580,
281.016

■ 41, 74.608,
291.696

■ 55, 46.083,
277.491

■ 60, 38.695,
274.385

■ 64, 31.366,
271.704

■ 69, 24.066,
269.417

■ 74, 16.783,
267.476

■ 79, 9.520, 265.835

■ 83, 2.286, 264.527

Harmonies

Complementary

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



47, 61.246, 284.894



64, 64.642, 71.862

Rectangle

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



47, 61.246, 284.894



47, 61.246, 334.894



47, 61.246, 104.894



47, 61.246, 154.894

Sweetspot

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



47, 61.246, 284.895



86, 21.067, 267.858



76, 63.768, 157.235



44, 14.380, 268.534



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 61.246, 284.895



49, 86.791, 292.146



31, 104.332, 305.160



43, 4.141, 265.295



33, 62.569, 291.058



6, 19.285, 279.693

Inverse Universe

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



47, 69.117, 3.161



54, 84.754, 11.298



81, 79.673, 107.798



42, 5.237, 349.269



36, 62.652, 9.847



5, 22.829, 359.729

Previews

White Background



This preview shows how the CIE LCh color 47, 61.246, 284.894 looks on a white background.

Color Contrast Check

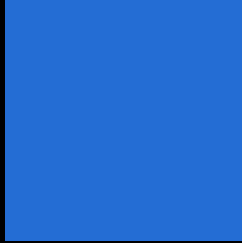
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.246, 284.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

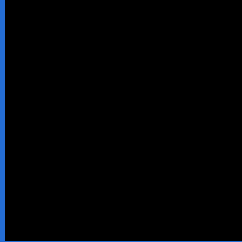
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

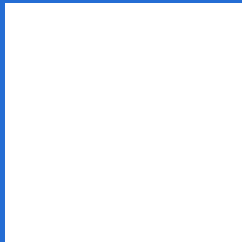
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 61.246, 284.894

Background



This preview shows how black text looks on a background with the CIELCh color 47, 61.246, 284.894.



This preview shows how white text looks on a background with the CIELCh color 47, 61.246, 284.894.

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, 61.246, 284.894

Protanopia

47, 61.015, 287.287

Deuteranopia

47, 51.908, 276.456



Tritanopia
47, 28.296, 206.373

Trichromacy



Original Color
47, 61.246, 284.894

Protanomaly
47, 61.101, 286.207

Deuteranomaly
47, 55.525, 279.894

Tritanomaly
46, 32.258, 249.111

Monochromacy



Original Color
47, 61.246, 284.894

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 23.510, 271.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 61.246, 284.894 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, 109, 212)` looks like.

```
.text, #text, p{  
    color:rgb(36, 109, 212)  
}
```

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, 109, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 109, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 61.246, 284.894 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, 109, 212) }
```

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

```
.border{ border-color:rgb(36, 109, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 109, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 109, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 109, 212);  
box-shadow:4px 4px 4px 4px rgb(36, 109,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 61.246, 284.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 109, 212) }
```

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

```
.background{ background-color: rgb(36, 109,  
212) }
```

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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