

Converting Colors

CIELCh(47, 74.269, 291.554)

Have a look what the booklet for
CIELCh(47, 74.269, 291.554)
contains.

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Color

CIELCh(47, 74.092, 291.517)

Conversions

Conversions Part 1

Format	Color
Hex	3167E5
RGB	49, 103, 229
RGB Percent	19%, 40%, 90%
CMY	0.8076, 0.5960, 0.1018
CMYK	0.79, 0.55, 0.00, 0.10
HSL	222°, 78%, 55%
HSV	222°, 79%, 90%
XYZ	20.2699, 16.0195, 76.1773
YIQ	101.2180, -72.6300, 27.7380

Conversions

Conversions Part 2

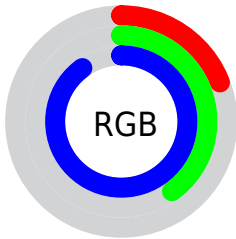
Format	Color
R _Y B	49, 91, 229
Decimal	3237861
CIE Lab	47.00, 27.18, -68.93
CIE LCh	47, 74.092, 291.517
Yxy	16.0195, 0.1802, 0.1424
Android (android.graphics.Color)	4281427941 (0xFF3167E5)
YUV	101.2180, 62.9965, -45.7952
Hunter-Lab	40.0243, 20.3570, -84.8282

Details

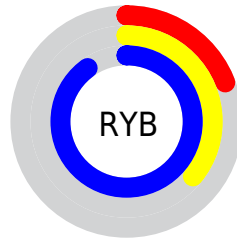
The CIELCh color **47, 74.092, 291.517** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **75, 67.786, 82.828**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 56.774, 287.591**, and **29, 72.639, 296.514** is the 20% darker color. If you saturate the color by 10%, you get **42, 84.556, 295.015**, and if you desaturate by 10%, it is **52, 63.795, 288.162**.

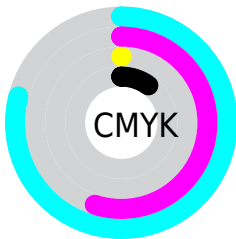
Distribution



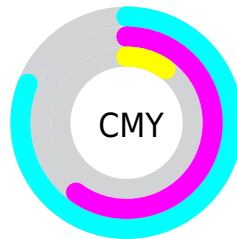
- Red (19%)
- Green (40%)
- Blue (90%)



- Red (19%)
- Yellow (36%)
- Blue (90%)



- Cyan (79%)
- Magenta (55%)
- Yellow (0%)
- Black (10%)





- Cyan (81%)
- Magenta (60%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 74.092, 291.517 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, 74.092, 291.517 by changing the saturation by 10% instead.


 47, 74.092,
291.517

 47, 74.092,
291.517


 100, 74.092,
291.517


 37, 74.092,
291.517

 67, 74.092,
291.517


 27, 74.092,
291.517

 77, 74.092,
291.517

 17, 74.092,
291.517

 87, 74.092,
291.517

 7, 74.092, 291.517

 97, 74.092,
291.517

 0, 74.092, 291.517

 47, 74.092,

 47, 74.092,

291.517

■ 42, 84.556,
295.015

■ 38, 94.852,
298.396

■ 38, 96.282,
298.832

291.517

■ 52, 63.795,
288.162

■ 58, 53.784,
285.095

■ 63, 44.065,
282.382

■ 69, 34.603,
280.032

■ 74, 25.365,
278.017

■ 80, 16.325,
276.297

■ 86, 7.467, 274.840

■ 92, 1.217, 93.342

Harmonies

Complementary

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



47, 74.092, 291.517



75, 67.786, 82.828

Rectangle

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



47, 74.092, 291.517



47, 74.092, 341.517



47, 74.092, 111.517



47, 74.092, 161.517

Sweetspot

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



47, 74.092, 291.518



85, 23.138, 277.220



82, 57.780, 165.947



43, 15.953, 277.860



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, 74.092, 291.518



44, 98.440, 297.079



37, 104.703, 306.221



45, 4.957, 274.958



29, 78.585, 298.277



5, 26.469, 289.222

Inverse Universe

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



52, 71.062, 11.260



54, 85.717, 18.996



86, 83.410, 113.805



45, 5.195, 356.815



37, 67.045, 20.971



7, 26.658, 8.511

Previews

White Background



This preview shows how the CIE LCh color 47, 74.092, 291.517 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, 74.092, 291.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

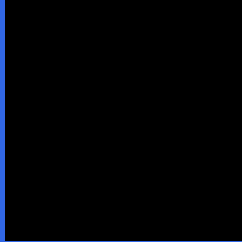
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

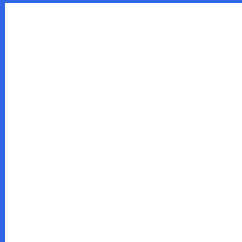
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 74.092, 291.517

Background



This preview shows how black text looks on a background with the CIELCh color 47, 74.092, 291.517.



This preview shows how white text looks on a background with the CIELCh color 47, 74.092, 291.517.

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, 74.092, 291.517

Protanopia

47, 71.585, 287.762

Deuteranopia

47, 50.873, 275.685



Tritanopia
47, 28.296, 206.373

Trichromacy



Original Color
47, 74.092, 291.517

Protanomaly
47, 72.650, 288.800

Deuteranomaly
46, 59.315, 282.667

Tritanomaly
46, 35.375, 257.963

Monochromacy



Original Color
47, 74.092, 291.517

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 28.059, 280.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 74.092, 291.517 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(49, 103, 229)` looks like.

```
.text, #text, p{  
    color:rgb(49, 103, 229)  
}
```

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(49, 103, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 103, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 74.092, 291.517 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(49, 103, 229) }
```

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

```
.border{ border-color:rgb(49, 103, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 103, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 103, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 103, 229);  
box-shadow:4px 4px 4px 4px rgb(49, 103,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 74.092, 291.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 103, 229) }
```

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

```
.background{ background-color: rgb(49, 103,  
229) }
```

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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