

Converting Colors

CIELCh(47, 26.618, 264.155)

Have a look what the booklet for
CIELCh(47, 26.618, 264.155)
contains.

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Color

CIELCh(47, 26.842, 264.343)

Conversions

Conversions Part 1

Format	Color
Hex	48739C
RGB	72, 115, 156
RGB Percent	28%, 45%, 61%
CMY	0.7179, 0.5493, 0.3885
CMYK	0.54, 0.26, 0.00, 0.39
HSL	209°, 37%, 45%
HSV	209°, 54%, 61%
XYZ	14.7853, 16.0195, 33.7343
YIQ	106.8170, -38.7890, 3.6350

Conversions

Conversions Part 2

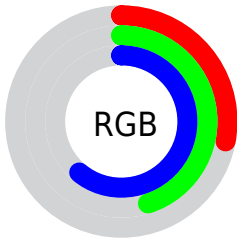
Format	Color
R_{YB}	72, 100, 156
Decimal	4748188
CIE _{Lab}	47.00, -2.65, -26.71
CIE _{LCh}	47, 26.842, 264.343
Yxy	16.0195, 0.2291, 0.2482
Android (android.graphics.Color)	4282938268 (0xFF48739C)
YUV	106.8170, 24.2472, -30.5345
Hunter-Lab	40.0243, -4.1034, -21.9552

Details

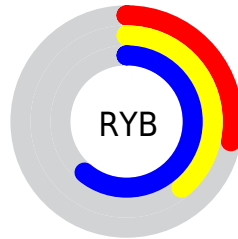
The CIELCh color **47, 26.842, 264.343** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **51, 31.687, 67.624**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 26.890, 264.315**, and **27, 27.183, 265.173** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.494, 267.476**, and if you desaturate by 10%, it is **50, 22.081, 261.676**.

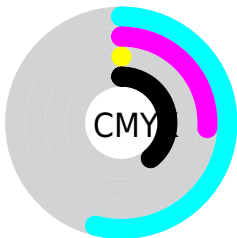
Distribution



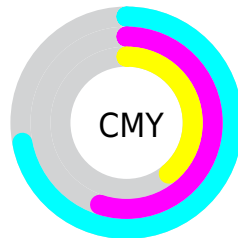
- Red (28%)
- Green (45%)
- Blue (61%)



- Red (28%)
- Yellow (39%)
- Blue (61%)



- Cyan (54%)
- Magenta (26%)
- Yellow (0%)
- Black (39%)




- Cyan (72%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 26.842, 264.343 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, 26.842, 264.343 by changing the saturation by 10% instead.

 47, 26.842,
264.343

 47, 26.842,
264.343


 100, 26.842,
264.343


 37, 26.842,
264.343

 67, 26.842,
264.343

 27, 26.842,
264.343

 77, 26.842,
264.343

 17, 26.842,
264.343

 87, 26.842,
264.343

 7, 26.842, 264.343

 97, 26.842,
264.343

 0, 26.842, 264.343

 47, 26.842,

 47, 26.842,

264.343

■ 44, 31.494,
267.476

■ 41, 36.073,
271.097

■ 38, 40.639,
275.173

■ 36, 45.271,
279.595

■ 34, 48.209,
282.218

264.343

■ 50, 22.081,
261.676

■ 53, 17.206,
259.428

■ 56, 12.223,
257.541

■ 60, 7.150, 255.965

■ 63, 2.009, 254.730

■ 66, 3.179, 73.331

■ 70, 8.394, 72.415

■ 73, 13.619, 71.587

■ 76, 18.839, 70.864

Harmonies

Complementary

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



47, 26.842, 264.343



51, 31.687, 67.624

Rectangle

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



47, 26.842, 264.343



47, 26.842, 314.343



47, 26.842, 84.343



47, 26.842, 134.343

Sweetspot

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



47, 26.841, 264.343



75, 10.147, 256.322



58, 39.012, 157.147



39, 6.896, 256.613



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, 26.841, 264.343



56, 39.394, 268.289



35, 51.203, 297.456



32, 2.956, 255.337



31, 44.874, 281.836



2, 3.965, 256.973

Inverse Universe

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



43, 40.871, 348.695



50, 58.717, 350.798



62, 44.280, 104.445



31, 4.335, 343.712



30, 55.267, 359.936



1, 5.510, 344.431

Previews

White Background



This preview shows how the CIE LCh color 47, 26.842, 264.343 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, 26.842, 264.343 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, 26.842, 264.343

Background



This preview shows how black text looks on a background with the CIELCh color 47, 26.842, 264.343.

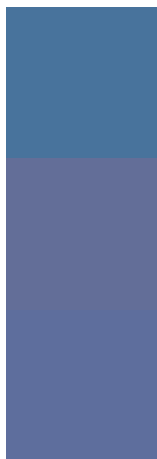


This preview shows how white text looks on a background with the CIELCh color 47, 26.842, 264.343.

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, 26.842, 264.343

Protanopia

47, 25.003, 284.953

Deuteranopia

47, 28.092, 283.205



Tritanopia
47, 19.596, 215.289

Trichromacy



Original Color
47, 26.842, 264.343

Protanomaly
47, 25.060, 276.000

Deuteranomaly
47, 27.481, 276.259

Tritanomaly
47, 20.199, 236.367

Monochromacy



Original Color
47, 26.842, 264.343

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 10.555, 257.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 26.842, 264.343 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(72, 115, 156)` looks like.

```
.text, #text, p{  
    color:rgb(72, 115, 156)  
}
```

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(72, 115, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 115, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 26.842, 264.343 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(72, 115, 156) }
```

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

```
.border{ border-color:rgb(72, 115, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 115, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 115, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 115, 156);  
box-shadow:4px 4px 4px 4px rgb(72, 115,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 26.842, 264.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 115, 156) }
```

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

```
.background{ background-color: rgb(72, 115,  
156) }
```

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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