

Converting Colors

CIELCh(47, 25.793, 314.767)

Have a look what the booklet for
CIELCh(47, 25.793, 314.767)
contains.

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Color

CIELCh(47, 25.685, 315.303)

Conversions

Conversions Part 1

Format	Color
Hex	80668E
RGB	128, 102, 142
RGB Percent	50%, 40%, 56%
CMY	0.4984, 0.6003, 0.4435
CMYK	0.10, 0.28, 0.00, 0.44
HSL	279°, 16%, 48%
HSV	279°, 28%, 56%
XYZ	18.5083, 16.0195, 27.6733
YIQ	114.3340, 2.6560, 17.9520

Conversions

Conversions Part 2

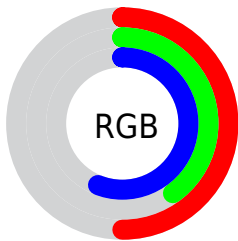
Format	Color
R_{YB}	128, 102, 142
Decimal	8414862
CIE _{Lab}	47.00, 18.26, -18.07
CIE _{LCh}	47, 25.685, 315.303
Yxy	16.0195, 0.2976, 0.2575
Android (android.graphics.Color)	4286604942 (0xFF80668E)
YUV	114.3340, 13.6393, 11.9851
Hunter-Lab	40.0243, 12.5006, -12.9768

Details

The CIELCh color $47, 25.685, 315.303$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 25.057, 132.877$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 25.903, 315.094$, and $27, 25.693, 314.835$ is the 20% darker color. If you saturate the color by 10%, you get $43, 34.994, 315.732$, and if you desaturate by 10%, it is $51, 16.424, 314.868$.

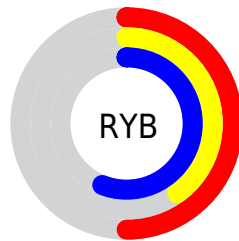
Distribution



Red (50%)

Green (40%)

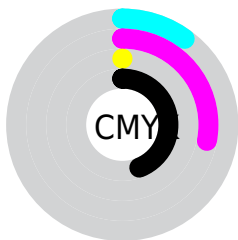
Blue (56%)



Red (50%)

Yellow (40%)

Blue (56%)

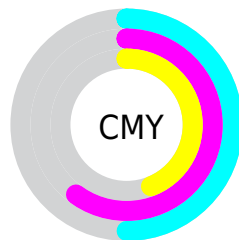


Cyan (10%)

Magenta (28%)

Yellow (0%)

Black (44%)



Cyan (50%)


Magenta (60%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 25.685, 315.303 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, 25.685, 315.303 by changing the saturation by 10% instead.


 47, 25.685,
315.303


 47, 25.685,
315.303


 100, 25.685,
315.303


 37, 25.685,
315.303

 67, 25.685,
315.303


 27, 25.685,
315.303

 77, 25.685,
315.303

 17, 25.685,
315.303

 87, 25.685,
315.303

 7, 25.685, 315.303

 97, 25.685,
315.303

 0, 25.685, 315.303

 47, 25.685,

 47, 25.685,

315.303

43, 34.994,
315.732

39, 44.197,
316.134

35, 53.052,
316.471

32, 61.210,
316.697

29, 68.227,
316.748

27, 73.618,
316.554

25, 77.367,
316.121

24, 78.045,
316.051

315.303

51, 16.424,
314.868

55, 7.312, 314.439

60, 1.597, 134.141

64, 10.274,
133.704

68, 18.708,
133.359

73, 26.898,
133.050

77, 34.848,
132.771

81, 42.566,
132.523

■ 86, 50.065,
132.302

Harmonies

Complementary

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



47, 25.685, 315.303



56, 25.057, 132.877

Rectangle

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



47, 25.685, 315.303



47, 25.685, 5.303



47, 25.685, 135.303



47, 25.685, 185.303

Sweetspot

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



47, 25.683, 315.303



70, 8.823, 314.439



49, 15.606, 272.568



36, 6.257, 314.497



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



47, 25.683, 315.303



57, 38.392, 315.585



48, 25.533, 329.940



28, 5.078, 314.483



23, 75.302, 316.096



0, 3.396, 314.127

Inverse Universe

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



48, 18.392, 355.464



58, 27.555, 356.324



55, 25.482, 146.346



28, 3.599, 353.358



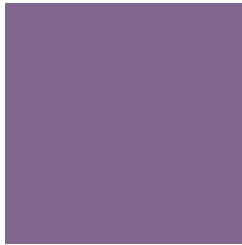
28, 53.325, 14.909



0, 2.393, 352.585

Previews

White Background



This preview shows how the CIELCh color 47, 25.685, 315.303 looks on a white background.

Color Contrast Check

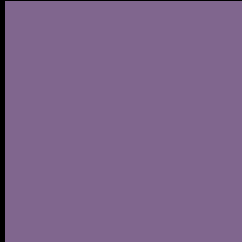
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.685, 315.303 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, 25.685, 315.303

Background



This preview shows how black text looks on a background with the CIELCh color 47, 25.685, 315.303.



This preview shows how white text looks on a background with the CIELCh color 47, 25.685, 315.303.

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, 25.685, 315.303

Protanopia

47, 22.609, 285.290

Deuteranopia

47, 18.375, 290.387



Tritanopia
47, 8.426, 346.381

Trichromacy



Original Color
47, 25.685, 315.303

Protanomaly
47, 23.215, 296.748

Deuteranomaly
47, 21.106, 301.892

Tritanomaly
47, 14.295, 325.269

Monochromacy



Original Color
47, 25.685, 315.303

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 9.049, 314.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 25.685, 315.303 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(128, 102, 142)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 142)  
}
```

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(128, 102, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 25.685, 315.303 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(128, 102, 142) }
```

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

```
.border{ border-color:rgb(128, 102, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 102, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 142);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 25.685, 315.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 142) }
```

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

```
.background{ background-color: rgb(128,  
102, 142) }
```

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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