

Converting Colors

CIELCh(47, 24.695, 276.761)

Have a look what the booklet for
CIELCh(47, 24.695, 276.761)
contains.

CIELCh(47, 24.432, 276.127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 24.432, 276.127)

Conversions

Conversions Part 1

Format	Color
Hex	5A7098
RGB	90, 112, 152
RGB Percent	35%, 44%, 60%
CMY	0.6472, 0.5609, 0.4041
CMYK	0.41, 0.26, 0.00, 0.40
HSL	219°, 26%, 47%
HSV	219°, 41%, 60%
XYZ	15.6689, 16.0195, 31.9576
YIQ	109.9820, -25.9520, 7.7760

Conversions

Conversions Part 2

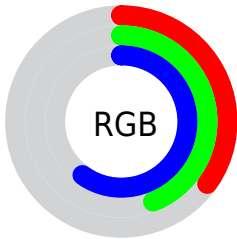
Format	Color
R _Y B	90, 106, 152
Decimal	5927064
CIE Lab	47.00, 2.61, -24.29
CIE LCh	47, 24.432, 276.127
Yxy	16.0195, 0.2462, 0.2517
Android (android.graphics.Color)	4284117144 (0xFF5A7098)
YUV	109.9820, 20.7149, -17.5242
Hunter-Lab	40.0243, -0.1626, -19.3233

Details

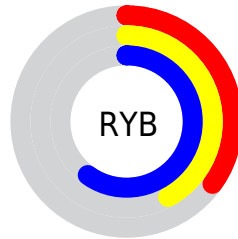
The CIELCh color $47, 24.432, 276.127$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $55, 24.893, 84.122$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 24.025, 275.143$, and $27, 24.267, 275.314$ is the 20% darker color. If you saturate the color by 10%, you get $43, 30.631, 278.527$, and if you desaturate by 10%, it is $51, 18.324, 274.064$.

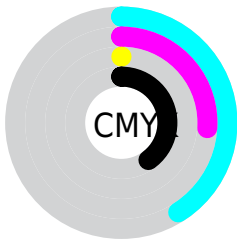
Distribution



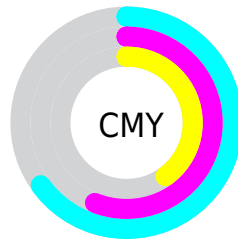
- Red (35%)
- Green (44%)
- Blue (60%)



- Red (35%)
- Yellow (42%)
- Blue (60%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)




- Cyan (65%)
- Magenta (56%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 24.432, 276.127 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, 24.432, 276.127 by changing the saturation by 10% instead.


 47, 24.432,
276.127


 47, 24.432,
276.127


 100, 24.432,
276.127


 37, 24.432,
276.127

 67, 24.432,
276.127


 27, 24.432,
276.127

 77, 24.432,
276.127

 17, 24.432,
276.127

 87, 24.432,
276.127

 7, 24.432, 276.127

 97, 24.432,
276.127

 0, 24.432, 276.127

 47, 24.432,

 47, 24.432,

276.127

276.127

■ 43, 30.631,
278.527

■ 51, 18.324,
274.064

■ 39, 36.947,
281.294

■ 55, 12.297,
272.300

■ 36, 43.407,
284.428

■ 59, 6.346, 270.799

■ 32, 50.038,
287.880

■ 63, 0.471, 269.904

■ 66, 5.326, 88.291

■ 29, 56.828,
291.530

■ 70, 11.043, 87.329

■ 26, 63.164,
294.762

■ 74, 16.675, 86.474

■ 78, 22.222, 85.719

■ 82, 27.682, 85.048

Harmonies

Complementary

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



47, 24.432, 276.127



55, 24.893, 84.122

Rectangle

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



47, 24.432, 276.127



47, 24.432, 326.127



47, 24.432, 96.127



47, 24.432, 146.127

Sweetspot

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



47, 24.431, 276.127



74, 8.700, 270.999



58, 26.145, 167.388



38, 5.820, 271.166



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



47, 24.431, 276.127



56, 36.389, 278.311



42, 37.711, 299.488



30, 3.338, 270.587



24, 59.124, 294.483



1, 3.613, 269.864

Inverse Universe

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



46, 28.494, 356.918



55, 42.143, 358.467



61, 34.165, 112.366



30, 3.823, 353.051



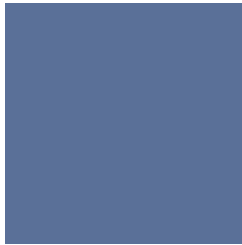
29, 54.739, 14.664



1, 4.054, 352.658

Previews

White Background



This preview shows how the CIELCh color 47, 24.432, 276.127 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, 24.432, 276.127 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

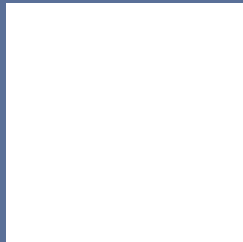
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 24.432, 276.127

Background



This preview shows how black text looks on a background with the CIELCh color 47, 24.432, 276.127.

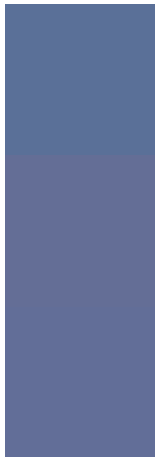


This preview shows how white text looks on a background with the CIELCh color 47, 24.432, 276.127.

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, 24.432, 276.127

Protanopia

47, 23.807, 285.097

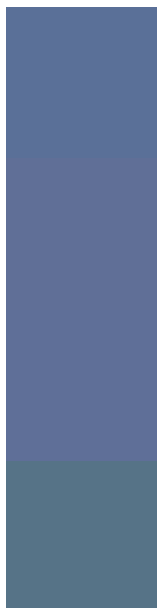
Deuteranopia

47, 25.043, 284.219



Tritanopia
47, 13.125, 222.335

Trichromacy



Original Color
47, 24.432, 276.127

Protanomaly
47, 24.004, 281.214

Deuteranomaly
47, 24.629, 280.898

Tritanomaly
47, 15.238, 250.081

Monochromacy



Original Color
47, 24.432, 276.127

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 8.764, 271.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 24.432, 276.127 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(90, 112, 152)` looks like.

```
.text, #text, p{  
    color:rgb(90, 112, 152)  
}
```

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(90, 112, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 112, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 24.432, 276.127 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(90, 112, 152) }
```

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

```
.border{ border-color:rgb(90, 112, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 112, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 112, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 112, 152);  
box-shadow:4px 4px 4px 4px rgb(90, 112,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 24.432, 276.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 112, 152) }
```

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

```
.background{ background-color: rgb(90, 112,  
152) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor