

Converting Colors

CIELCh(47, 35.678, 278.768)

Have a look what the booklet for
CIELCh(47, 35.678, 278.768)
contains.

CIELCh(47, 35.678, 278.768)	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, 35.678, 278.768)

Conversions

Conversions Part 1

Format	Color
Hex	4E70AB
RGB	78, 112, 171
RGB Percent	31%, 44%, 67%
CMY	0.6959, 0.5624, 0.3312
CMYK	0.55, 0.35, 0.00, 0.33
HSL	218°, 37%, 49%
HSV	218°, 55%, 67%
XYZ	16.1593, 16.0195, 40.5403
YIQ	108.5600, -39.2030, 11.1410

Conversions

Conversions Part 2

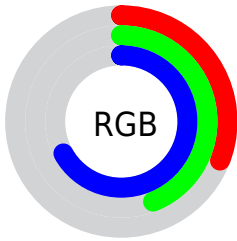
Format	Color
RYB	78, 103, 171
Decimal	5140651
CIELab	47.00, 5.44, -35.26
CIELCh	47, 35.678, 278.768
Yxy	16.0195, 0.2222, 0.2203
Android (android.graphics.Color)	4283330731 (0xFF4E70AB)
YUV	108.5600, 30.7829, -26.8011
Hunter-Lab	40.0243, 2.0244, -32.0374

Details

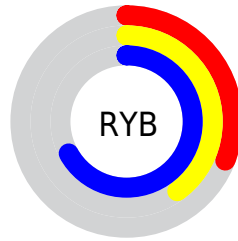
The CIELCh color $47, 35.678, 278.768$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $59, 36.691, 81.172$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 36.069, 279.271$, and $27, 35.285, 278.324$ is the 20% darker color. If you saturate the color by 10%, you get $43, 42.529, 281.747$, and if you desaturate by 10%, it is $51, 28.951, 276.175$.

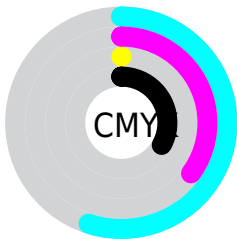
Distribution



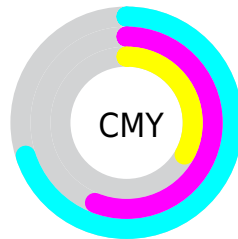
- Red (31%)
- Green (44%)
- Blue (67%)



- Red (31%)
- Yellow (40%)
- Blue (67%)



- Cyan (55%)
- Magenta (35%)
- Yellow (0%)
- Black (33%)




- Cyan (70%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 35.678, 278.768 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, 35.678, 278.768 by changing the saturation by 10% instead.


 47, 35.678,
278.768

 47, 35.678,
278.768


 100, 35.678,
278.768


 37, 35.678,
278.768

 67, 35.678,
278.768


 27, 35.678,
278.768

 77, 35.678,
278.768

 17, 35.678,
278.768

 87, 35.678,
278.768

 7, 35.678, 278.768

 97, 35.678,
278.768

 0, 35.678, 278.768

 47, 35.678,

 47, 35.678,

278.768

■ 43, 42.529,
281.747

■ 39, 49.541,
285.094

■ 36, 56.740,
288.731

■ 32, 64.091,
292.502

■ 30, 68.151,
294.433

278.768

■ 51, 28.951,
276.175

■ 55, 22.321,
273.944

■ 59, 15.770,
272.037

■ 64, 9.293, 270.413

■ 68, 2.887, 269.068

■ 72, 3.443, 87.710

■ 76, 9.692, 86.708

■ 81, 15.858, 85.805

■ 85, 21.936, 85.007

Harmonies

Complementary

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



47, 35.678, 278.768



59, 36.691, 81.172

Rectangle

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



47, 35.678, 278.768



47, 35.678, 328.768



47, 35.678, 98.768



47, 35.678, 148.768

Sweetspot

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



47, 35.677, 278.769



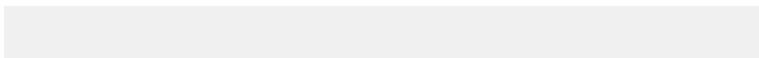
80, 12.682, 270.679



64, 37.141, 165.508



42, 8.640, 270.990



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 35.677, 278.769



55, 53.124, 282.268



39, 56.801, 301.474



33, 3.570, 269.664



26, 60.619, 293.968



2, 6.841, 272.561

Inverse Universe

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



46, 41.791, 358.650



55, 60.323, 1.351



67, 49.124, 111.427



33, 4.165, 352.336



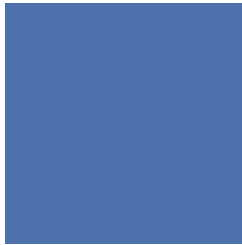
31, 56.779, 13.892



2, 7.266, 354.921

Previews

White Background



This preview shows how the CIE LCh color 47, 35.678, 278.768 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, 35.678, 278.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

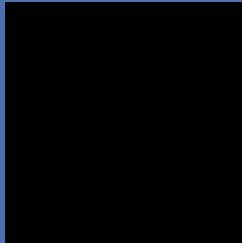
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

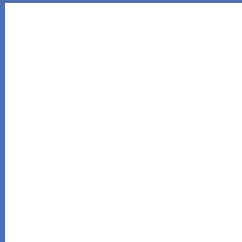
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 35.678, 278.768

Background



This preview shows how black text looks on a background with the CIELCh color 47, 35.678, 278.768.



This preview shows how white text looks on a background with the CIELCh color 47, 35.678, 278.768.

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, 35.678, 278.768

Protanopia

47, 35.129, 285.268

Deuteranopia

47, 36.071, 280.782



Tritanopia
47, 19.361, 215.532

Trichromacy



Original Color
47, 35.678, 278.768

Protanomaly
47, 35.323, 282.567

Deuteranomaly
47, 36.121, 280.389

Tritanomaly
47, 21.944, 247.865

Monochromacy



Original Color
47, 35.678, 278.768

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.663, 273.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 35.678, 278.768 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(78, 112, 171)` looks like.

```
.text, #text, p{  
    color:rgb(78, 112, 171)  
}
```

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(78, 112, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 112, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 35.678, 278.768 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(78, 112, 171) }
```

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

```
.border{ border-color:rgb(78, 112, 171) }
```

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

Here you see how a box with a 4 pixel rgb(78, 112, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 112, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 112, 171);  
box-shadow:4px 4px 4px 4px rgb(78, 112,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 35.678, 278.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 112, 171) }
```

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

```
.background{ background-color: rgb(78, 112,  
171) }
```

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