

Converting Colors

CIELCh(47, 28.696, 242.891)

Have a look what the booklet for
CIELCh(47, 28.696, 242.891)
contains.

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Color

CIELCh(47, 28.737, 242.721)

Conversions

Conversions Part 1

Format	Color
Hex	21789A
RGB	33, 120, 154
RGB Percent	13%, 47%, 60%
CMY	0.8721, 0.5303, 0.3970
CMYK	0.79, 0.22, 0.00, 0.40
HSL	197°, 65%, 37%
HSV	197°, 79%, 60%
XYZ	13.1162, 16.0195, 32.8667
YIQ	97.8630, -62.7660, -7.8700

Conversions

Conversions Part 2

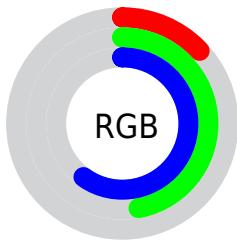
Format	Color
R_{YB}	33, 84, 154
Decimal	2193562
CIE _{Lab}	47.00, -13.17, -25.54
CIE _{LCh}	47, 28.737, 242.721
Yxy	16.0195, 0.2115, 0.2584
Android (android.graphics.Color)	4280383642 (0xFF21789A)
YUV	97.8630, 27.6755, -56.8849
Hunter-Lab	40.0243, -11.5469, -20.6700

Details

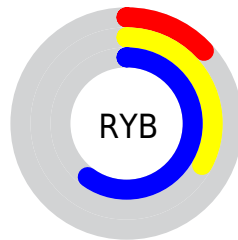
The CIELCh color **47, 28.737, 242.721** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 50.696, 47.327**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 28.972, 243.476**, and **28, 24.593, 253.267** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.590, 246.661**, and if you desaturate by 10%, it is **49, 26.484, 239.442**.

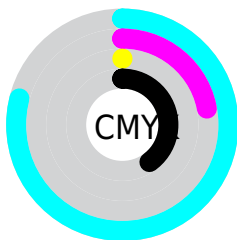
Distribution



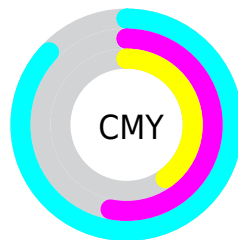
- Red (13%)
- Green (47%)
- Blue (60%)



- Red (13%)
- Yellow (33%)
- Blue (60%)



- Cyan (79%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)




- Cyan (87%)
- Magenta (53%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 28.737, 242.721 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, 28.737, 242.721 by changing the saturation by 10% instead.

 47, 28.737,
242.721


 47, 28.737,
242.721


 100, 28.737,
242.721


 37, 28.737,
242.721

 67, 28.737,
242.721


 27, 28.737,
242.721

 77, 28.737,
242.721

 17, 28.737,
242.721

 87, 28.737,
242.721

 7, 28.737, 242.721

 97, 28.737,
242.721

 0, 28.737, 242.721

 47, 28.737,

 47, 28.737,

242.721

■ 45, 30.590,
246.661

■ 44, 32.214,
251.106

■ 44, 32.421,
251.635

242.721

■ 49, 26.484,
239.442

■ 51, 23.781,
236.775

■ 53, 20.618,
234.638

■ 55, 17.026,
232.945

■ 57, 13.052,
231.616

■ 59, 8.754, 230.585

■ 61, 4.188, 229.821

■ 64, 0.590, 48.366

■ 66, 5.532, 48.517

Harmonies

Complementary

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



47, 28.737, 242.721



39, 50.696, 47.327

Rectangle

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



47, 28.737, 242.721



47, 28.737, 292.721



47, 28.737, 62.721



47, 28.737, 112.721

Sweetspot

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



47, 28.736, 242.721



73, 13.592, 231.138



56, 63.372, 144.183



37, 9.227, 231.496



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, 28.736, 242.721



57, 38.561, 250.307



29, 59.033, 294.577



31, 2.683, 229.848



40, 30.224, 251.199



2, 2.951, 230.659

Inverse Universe

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



36, 60.101, 340.124



45, 77.199, 342.719



54, 51.114, 88.504



30, 4.881, 334.081



31, 60.160, 343.042



1, 5.193, 333.988

Previews

White Background



This preview shows how the CIELCh color 47, 28.737, 242.721 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, 28.737, 242.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

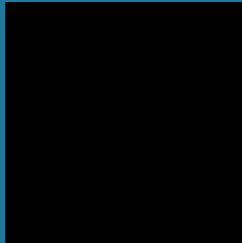
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 28.737, 242.721

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.737, 242.721.

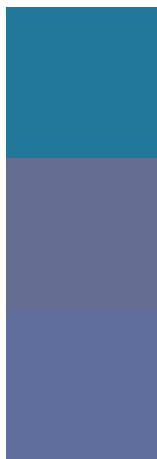


This preview shows how white text looks on a background with the CIELCh color 47, 28.737, 242.721.

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, 28.737, 242.721

Protanopia

47, 21.448, 284.643

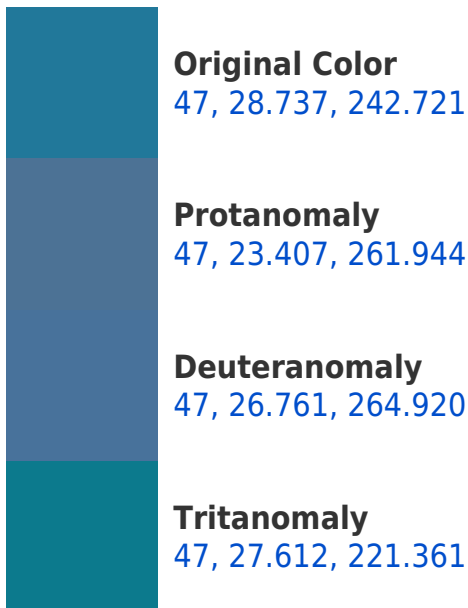
Deuteranopia

47, 27.474, 283.497

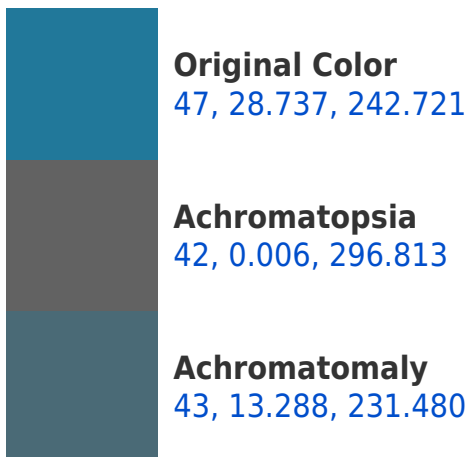


Tritanopia
47, 28.189, 208.950

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.737, 242.721 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(33, 120, 154)` looks like.

```
.text, #text, p{  
    color:rgb(33, 120, 154)  
}
```

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(33, 120, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 120, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.737, 242.721 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(33, 120, 154) }
```

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

```
.border{ border-color:rgb(33, 120, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 120, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 120, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 120, 154);  
box-shadow:4px 4px 4px 4px rgb(33, 120,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.737, 242.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 120, 154) }
```

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

```
.background{ background-color: rgb(33, 120,  
154) }
```

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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