

Converting Colors

CIELCh(47, 32.613, 261.003)

Have a look what the booklet for
CIELCh(47, 32.613, 261.003)
contains.

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Color

CIELCh(47, 32.392, 260.596)

Conversions

Conversions Part 1

Format	Color
Hex	3175A5
RGB	49, 117, 165
RGB Percent	19%, 46%, 65%
CMY	0.8091, 0.5421, 0.3539
CMYK	0.70, 0.29, 0.00, 0.35
HSL	205°, 54%, 42%
HSV	205°, 70%, 65%
XYZ	14.3530, 16.0195, 37.8108
YIQ	102.1400, -55.9360, 0.5120

Conversions

Conversions Part 2

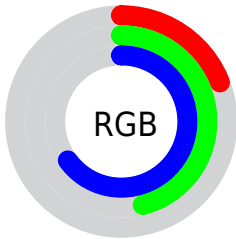
Format	Color
R_{YB}	49, 92, 165
Decimal	3241381
CIE _{Lab}	47.00, -5.29, -31.96
CIE _{LCh}	47, 32.392, 260.596
Yxy	16.0195, 0.2105, 0.2349
Android (android.graphics.Color)	4281431461 (0xFF3175A5)
YUV	102.1400, 30.9900, -46.6038
Hunter-Lab	40.0243, -6.0314, -27.9941

Details

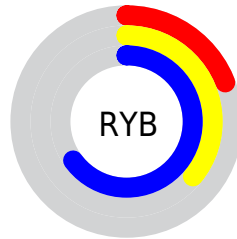
The CIELCh color **47, 32.392, 260.596** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **48, 44.951, 58.587**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 32.228, 260.344**, and **28, 30.614, 268.397** is the 20% darker color. If you saturate the color by 10%, you get **44, 36.140, 264.635**, and if you desaturate by 10%, it is **50, 28.458, 257.124**.

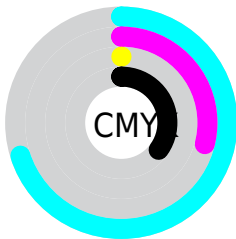
Distribution



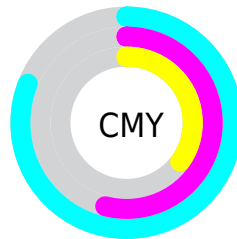
- Red (19%)
- Green (46%)
- Blue (65%)



- Red (19%)
- Yellow (36%)
- Blue (65%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (35%)




- Cyan (81%)
- Magenta (54%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 32.392, 260.596 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, 32.392, 260.596 by changing the saturation by 10% instead.

 47, 32.392,
260.596

 47, 32.392,
260.596

 100, 32.392,
260.596


 37, 32.392,
260.596

 67, 32.392,
260.596


 27, 32.392,
260.596

 77, 32.392,
260.596

 17, 32.392,
260.596

 87, 32.392,
260.596

 7, 32.392, 260.596

 97, 32.392,
260.596

 0, 32.392, 260.596

 47, 32.392,

 47, 32.392,

260.596

■ 44, 36.140,
264.635

■ 42, 39.794,
269.185

■ 40, 43.349,
273.693

260.596

■ 50, 28.458,
257.124

■ 52, 24.292,
254.199

■ 55, 19.881,
251.767

■ 58, 15.239,
249.759

■ 61, 10.394,
248.108

■ 64, 5.382, 246.766

■ 68, 0.238, 247.130

■ 71, 5.004, 64.524

■ 74, 10.317, 63.759

Harmonies

Complementary

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



47, 32.392, 260.596



48, 44.951, 58.587

Rectangle

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



47, 32.392, 260.596



47, 32.392, 310.596



47, 32.392, 80.596



47, 32.392, 130.596

Sweetspot

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



47, 32.391, 260.597



78, 13.200, 248.249



60, 55.099, 150.633



40, 8.884, 248.655



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 32.391, 260.597



56, 46.662, 267.366



31, 65.544, 298.277



33, 2.896, 246.628



35, 39.204, 273.121



2, 4.691, 251.936

Inverse Universe

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



40, 54.997, 346.790



49, 74.188, 350.087



63, 54.322, 98.535



32, 4.686, 339.919



31, 57.346, 353.385



1, 6.951, 341.987

Previews

White Background



This preview shows how the CIE LCh color 47, 32.392, 260.596 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, 32.392, 260.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

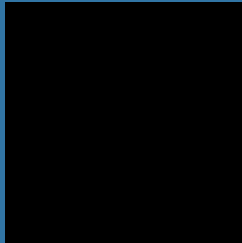
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

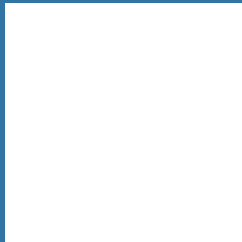
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 32.392, 260.596

Background



This preview shows how black text looks on a background with the CIELCh color 47, 32.392, 260.596.

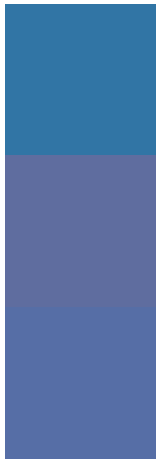


This preview shows how white text looks on a background with the CIELCh color 47, 32.392, 260.596.

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, 32.392, 260.596

Protanopia
47, 29.777, 285.375

Deuteranopia
47, 33.584, 282.016



Tritanopia
47, 26.691, 209.786

Trichromacy



Original Color
47, 32.392, 260.596

Protanomaly
47, 30.238, 274.173

Deuteranomaly
47, 33.334, 274.197

Tritanomaly
47, 26.546, 230.113

Monochromacy



Original Color
47, 32.392, 260.596

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 13.518, 252.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 32.392, 260.596 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(49, 117, 165)` looks like.

```
.text, #text, p{  
    color:rgb(49, 117, 165)  
}
```

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(49, 117, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 117, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 32.392, 260.596 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(49, 117, 165) }
```

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

```
.border{ border-color:rgb(49, 117, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 117, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 117, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 117, 165);  
box-shadow:4px 4px 4px 4px rgb(49, 117,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 32.392, 260.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 117, 165) }
```

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

```
.background{ background-color: rgb(49, 117,  
165) }
```

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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