

Converting Colors

CIELCh(49, 32.719, 256.748)

Have a look what the booklet for
CIELCh(49, 32.719, 256.748)
contains.

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Color

CIELCh(49, 32.664, 256.732)

Conversions

Conversions Part 1

Format	Color
Hex	2E7BAA
RGB	46, 123, 170
RGB Percent	18%, 48%, 67%
CMY	0.8205, 0.5183, 0.3340
CMYK	0.73, 0.28, 0.00, 0.33
HSL	203°, 58%, 42%
HSV	203°, 73%, 67%
XYZ	15.4159, 17.5941, 40.5228
YIQ	105.3350, -60.9790, -1.7070

Conversions

Conversions Part 2

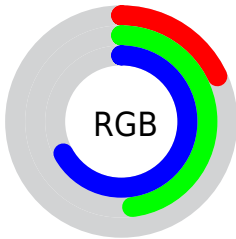
Format	Color
R_{YB}	46, 94, 170
Decimal	3046314
CIE _{Lab}	49.00, -7.50, -31.79
CIE _{LCh}	49, 32.664, 256.732
Yxy	17.5941, 0.2096, 0.2393
Android (android.graphics.Color)	4281236394 (0xFF2E7BAA)
YUV	105.3350, 31.8798, -52.0368
Hunter-Lab	41.9453, -7.8013, -27.9177

Details

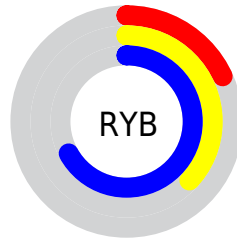
The CIELCh color **49, 32.664, 256.732** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **48, 48.465, 55.274**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 32.956, 257.457**, and **30, 30.254, 264.912** is the 20% darker color. If you saturate the color by 10%, you get **47, 35.999, 260.901**, and if you desaturate by 10%, it is **52, 29.082, 253.168**.

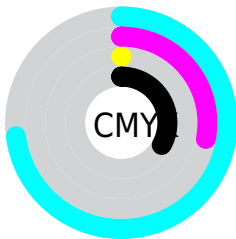
Distribution



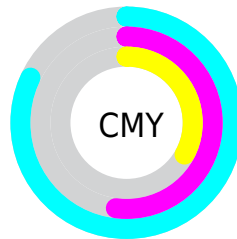
- Red (18%)
- Green (48%)
- Blue (67%)



- Red (18%)
- Yellow (37%)
- Blue (67%)



- Cyan (73%)
- Magenta (28%)
- Yellow (0%)
- Black (33%)





- Cyan (82%)
- Magenta (52%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 32.664, 256.732 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 49, 32.664, 256.732 by changing the saturation by 10% instead.


 49, 32.664,
256.732


 49, 32.664,
256.732


 100, 32.664,
256.732


 39, 32.664,
256.732

 69, 32.664,
256.732


 29, 32.664,
256.732

 79, 32.664,
256.732

 19, 32.664,
256.732

 89, 32.664,
256.732

 9, 32.664, 256.732

 99, 32.664,
256.732

 0, 32.664, 256.732

 49, 32.664,

 49, 32.664,

256.732

■ 47, 35.999,
260.901

■ 44, 39.195,
265.616

■ 43, 41.454,
268.959

256.732

■ 52, 29.082,
253.168

■ 54, 25.200,
250.187

■ 57, 21.001,
247.730

■ 60, 16.505,
245.721

■ 63, 11.745,
244.085

■ 66, 6.765, 242.766

■ 69, 1.607, 241.855

■ 72, 3.687, 60.584

■ 75, 9.082, 59.896

Harmonies

Complementary

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



49, 32.664, 256.732



48, 48.465, 55.274

Rectangle

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



49, 32.664, 256.732



49, 32.664, 306.732



49, 32.664, 76.732



49, 32.664, 126.732

Sweetspot

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



49, 32.663, 256.733



80, 13.949, 243.990



62, 59.778, 148.762



42, 9.402, 244.381



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 32.663, 256.733



59, 46.507, 263.937



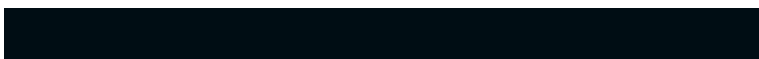
32, 67.194, 297.679



34, 2.929, 242.348



37, 37.143, 268.327



3, 5.603, 250.593

Inverse Universe

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



41, 58.737, 345.104



50, 78.286, 348.316



63, 55.823, 96.198



33, 4.926, 338.291



32, 58.995, 350.547



2, 8.431, 341.385

Previews

White Background



This preview shows how the CIELCh color 49, 32.664, 256.732 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 49, 32.664, 256.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

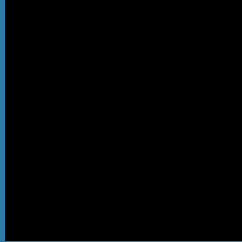
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 32.664, 256.732

Background



This preview shows how black text looks on a background with the CIELCh color 49, 32.664, 256.732.




This preview shows how white text looks on a background with the CIELCh color 49, 32.664, 256.732.

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





Tritanopia
49, 28.465, 208.776

Trichromacy



Original Color
49, 32.664, 256.732

Protanomaly
48, 29.687, 272.279

Deuteranomaly
49, 32.806, 271.951

Tritanomaly
49, 27.902, 226.524

Monochromacy



Original Color
49, 32.664, 256.732

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 14.278, 247.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 32.664, 256.732 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(46, 123, 170)` looks like.

```
.text, #text, p{  
    color:rgb(46, 123, 170)  
}
```

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(46, 123, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 123, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 32.664, 256.732 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(46, 123, 170) }
```

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

```
.border{ border-color:rgb(46, 123, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 123, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 123, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 123, 170);  
box-shadow:4px 4px 4px 4px rgb(46, 123,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 32.664, 256.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 123, 170) }
```

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

```
.background{ background-color: rgb(46, 123,  
170) }
```

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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