

Converting Colors

CIELCh(49, 32.180, 162.722)

Have a look what the booklet for
CIELCh(49, 32.180, 162.722)
contains.

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Color

CIELCh(49, 32.440, 162.141)

Conversions

Conversions Part 1

Format	Color
Hex	388263
RGB	56, 130, 99
RGB Percent	22%, 51%, 39%
CMY	0.7819, 0.4916, 0.6131
CMYK	0.57, 0.00, 0.24, 0.49
HSL	155°, 40%, 36%
HSV	155°, 57%, 51%
XYZ	11.7807, 17.5941, 14.4946
YIQ	104.3400, -34.1530, -25.3290

Conversions

Conversions Part 2

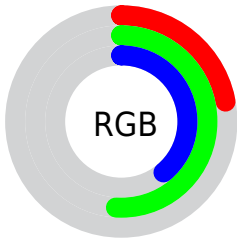
Format	Color
RYB	56, 103, 130
Decimal	3703395
CIELab	49.00, -30.88, 9.95
CIElCh	49, 32.440, 162.141
Yxy	17.5941, 0.2685, 0.4011
Android (android.graphics.Color)	4281893475 (0xFF388263)
YUV	104.3400, -2.6326, -42.3942
Hunter-Lab	41.9453, -23.2708, 8.8734

Details

The CIELCh color **49, 32.440, 162.141** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **34, 35.549, 355.196**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 32.156, 162.609**, and **29, 31.253, 160.274** is the 20% darker color. If you saturate the color by 10%, you get **48, 37.063, 160.613**, and if you desaturate by 10%, it is **50, 27.362, 163.502**.

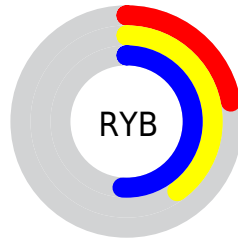
Distribution



Red (22%)

Green (51%)

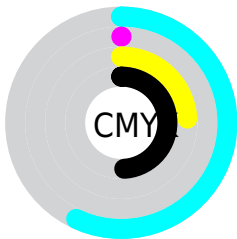
Blue (39%)



Red (22%)

Yellow (40%)

Blue (51%)

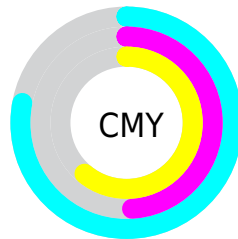


Cyan (57%)

Magenta (0%)

Yellow (24%)

Black (49%)



Cyan (78%)


Magenta (49%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 32.440, 162.141 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, 32.440, 162.141 by changing the saturation by 10% instead.


 49, 32.440,
162.141


 49, 32.440,
162.141


 100, 32.440,
162.141


 39, 32.440,
162.141

 69, 32.440,
162.141


 29, 32.440,
162.141

 79, 32.440,
162.141

 19, 32.440,
162.141

 89, 32.440,
162.141

 9, 32.440, 162.141

 99, 32.440,
162.141

 0, 32.440, 162.141

 49, 32.440,

 49, 32.440,

162.141

162.141

■ 48, 37.063,
160.613

■ 50, 27.362,
163.502

■ 48, 41.164,
158.900

■ 50, 21.915,
164.720

■ 48, 44.711,
156.989

■ 51, 16.192,
165.817

■ 48, 47.779,
154.940

■ 52, 10.285,
166.817

■ 47, 48.654,
154.378

■ 53, 4.278, 167.763

■ 55, 1.759, 348.340

■ 56, 7.769, 349.248

■ 57, 13.708,
349.984

■ 59, 19.545,

Harmonies

Complementary

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



49, 32.440, 162.141



34, 35.549, 355.196

Rectangle

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



49, 32.440, 162.141



49, 32.440, 212.141



49, 32.440, 342.141



49, 32.440, 32.141

Sweetspot

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



49, 32.441, 162.140



67, 12.659, 166.789



50, 44.988, 128.863



34, 8.421, 166.633



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 32.441, 162.140



62, 46.653, 160.037



48, 22.132, 204.814



26, 3.353, 167.573



47, 48.036, 154.419



0, 0.000, 0.000

Inverse Universe

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



34, 35.549, 355.196



41, 51.362, 358.116



35, 33.923, 30.293



25, 3.409, 349.010



26, 50.521, 8.129



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 32.440, 162.141 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, 32.440, 162.141 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, 32.440, 162.141

Background



This preview shows how black text looks on a background with the CIELCh color 49, 32.440, 162.141.



This preview shows how white text looks on a background with the CIELCh color 49, 32.440, 162.141.

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

49, 32.440, 162.141

Protanopia

49, 14.336, 95.948

Deuteranopia

49, 10.115, 51.399



Tritanopia
49, 19.644, 215.147

Trichromacy



Original Color
49, 32.440, 162.141

Protanomaly
48, 18.301, 138.175

Deuteranomaly
48, 11.581, 138.853

Tritanomaly
49, 22.101, 189.409

Monochromacy



Original Color
49, 32.440, 162.141

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.689, 166.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 32.440, 162.141 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(56, 130, 99)` looks like.

```
.text, #text, p{  
    color:rgb(56, 130, 99)  
}
```

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(56, 130, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 130, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 32.440, 162.141 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(56, 130, 99) }
```

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

```
.border{ border-color:rgb(56, 130, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 130, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 130, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 130, 99);  
box-shadow:4px 4px 4px 4px rgb(56, 130,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 32.440, 162.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 130, 99) }
```

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

```
.background{ background-color: rgb(56, 130,  
99) }
```

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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