

Converting Colors

CIELCh(49, 43.633, 320.737)

Have a look what the booklet for
CIELCh(49, 43.633, 320.737)
contains.

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Color

CIELCh(49, 43.883, 320.404)

Conversions

Conversions Part 1

Format	Color
Hex	9660A4
RGB	150, 96, 164
RGB Percent	59%, 38%, 64%
CMY	0.4109, 0.6227, 0.3560
CMYK	0.09, 0.41, 0.00, 0.36
HSL	288°, 27%, 51%
HSV	288°, 41%, 64%
XYZ	23.5376, 17.5941, 37.3778
YIQ	119.8980, 10.3560, 32.5960

Conversions

Conversions Part 2

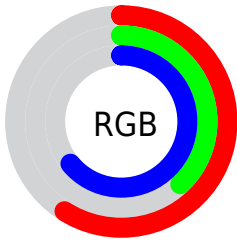
Format	Color
RYB	150, 96, 164
Decimal	9855140
CIELab	49.00, 33.81, -27.97
CIELCh	49, 43.883, 320.404
Yxy	17.5941, 0.2998, 0.2241
Android (android.graphics.Color)	4288045220 (0xFF9660A4)
YUV	119.8980, 21.7423, 26.3995
Hunter-Lab	41.9453, 26.7612, -23.4722

Details

The CIELCh color `49, 43.883, 320.404` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `62, 43.098, 136.373`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 43.567, 320.332`, and `29, 44.224, 320.600` is the 20% darker color. If you saturate the color by 10%, you get `45, 54.022, 320.760`, and if you desaturate by 10%, it is `53, 33.330, 319.996`.

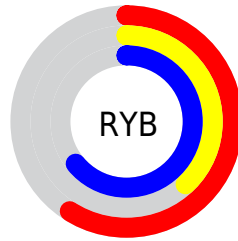
Distribution



Red (59%)

Green (38%)

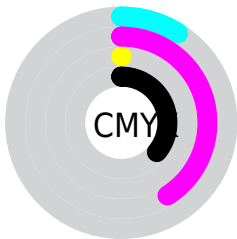
Blue (64%)



Red (59%)

Yellow (38%)

Blue (64%)

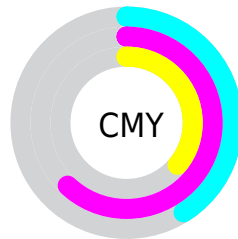


Cyan (9%)

Magenta (41%)

Yellow (0%)

Black (36%)



Cyan (41%)

Magenta (62%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 43.883, 320.404 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, 43.883, 320.404 by changing the saturation by 10% instead.


 49, 43.883,
320.404

 49, 43.883,
320.404


 100, 43.883,
320.404

 39, 43.883,
320.404

 69, 43.883,
320.404

 29, 43.883,
320.404

 79, 43.883,
320.404

 19, 43.883,
320.404

 89, 43.883,
320.404

 9, 43.883, 320.404

 99, 43.883,
320.404

 0, 43.883, 320.404

 49, 43.883,

 49, 43.883,

320.404

45, 54.022,
320.760

41, 63.389,
321.030

38, 71.532,
321.173

36, 77.973,
321.143

34, 82.334,
320.901

33, 84.772,
320.563

320.404

53, 33.330,
319.996

58, 22.636,
319.560

62, 11.979,
319.114

67, 1.478, 318.577

71, 8.798, 138.303

76, 18.810,
137.900

81, 28.541,
137.531

86, 37.987,
137.190

■ 90, 47.152,
136.877

Harmonies

Complementary

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



49, 43.883, 320.404



62, 43.098, 136.373

Rectangle

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



49, 43.883, 320.404



49, 43.883, 10.404



49, 43.883, 140.404



49, 43.883, 190.404

Sweetspot

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



49, 43.881, 320.404



79, 15.643, 319.151



48, 31.600, 285.756



41, 10.368, 319.205



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 43.881, 320.404



59, 65.259, 320.745



50, 37.834, 336.609



32, 5.895, 319.017



29, 77.492, 320.635



1, 8.978, 317.148

Inverse Universe

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



49, 29.641, 7.890



58, 44.872, 9.772



62, 37.485, 150.080



32, 3.761, 3.588



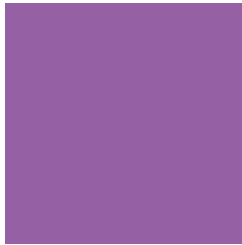
30, 60.320, 27.854



1, 5.680, 4.285

Previews

White Background



This preview shows how the CIELCh color 49, 43.883, 320.404 looks on a white background.

Color Contrast Check

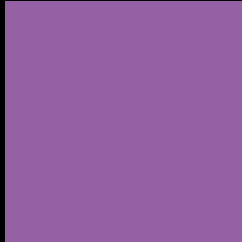
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.883, 320.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

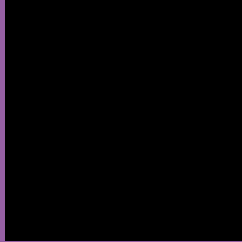
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 43.883, 320.404

Background



This preview shows how black text looks on a background with the CIELCh color 49, 43.883, 320.404.



This preview shows how white text looks on a background with the CIELCh color 49, 43.883, 320.404.

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, 43.883, 320.404

Protanopia

49, 37.733, 285.352

Deuteranopia

49, 27.150, 285.237



Tritanopia
49, 15.675, 4.162

Trichromacy



Original Color
49, 43.883, 320.404

Protanomaly
49, 38.929, 297.858

Deuteranomaly
49, 32.163, 301.494

Tritanomaly
49, 24.299, 336.447

Monochromacy



Original Color
49, 43.883, 320.404

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 16.646, 319.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 43.883, 320.404 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(150, 96, 164)` looks like.

```
.text, #text, p{  
    color:rgb(150, 96, 164)  
}
```

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(150, 96, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 96, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 43.883, 320.404 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(150, 96, 164) }
```

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

```
.border{ border-color:rgb(150, 96, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 96, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 96, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 96, 164);  
box-shadow:4px 4px 4px 4px rgb(150, 96,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 43.883, 320.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 96, 164) }
```

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

```
.background{ background-color: rgb(150, 96,  
164) }
```

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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