

Converting Colors

CIELCh(49, 28.615, 21.684)

Have a look what the booklet for
CIELCh(49, 28.615, 21.684) contains.

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Color

CIELCh(49, 28.880, 20.989)

Conversions

Conversions Part 1

Format	Color
Hex	A46264
RGB	164, 98, 100
RGB Percent	64%, 38%, 39%
CMY	0.3562, 0.6151, 0.6073
CMYK	0.00, 0.40, 0.39, 0.36
HSL	358°, 27%, 51%
HSV	358°, 40%, 64%
XYZ	22.0304, 17.5941, 14.3267
YIQ	117.9620, 38.6940, 14.6140

Conversions

Conversions Part 2

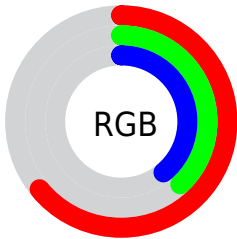
Format	Color
R_{YB}	164, 98, 100
Decimal	10773092
CIE _{Lab}	49.00, 26.96, 10.34
CIE _{LCh}	49, 28.880, 20.989
Yxy	17.5941, 0.4083, 0.3261
Android (android.graphics.Color)	4288963172 (0xFFA46264)
YUV	117.9620, -8.8553, 40.3753
Hunter-Lab	41.9453, 20.3469, 9.1108

Details

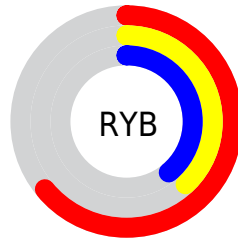
The CIELCh color **49, 28.880, 20.989** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **63, 22.193, 194.602**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 28.768, 21.124**, and **29, 29.011, 21.876** is the 20% darker color. If you saturate the color by 10%, you get **45, 37.080, 22.826**, and if you desaturate by 10%, it is **53, 21.003, 19.567**.

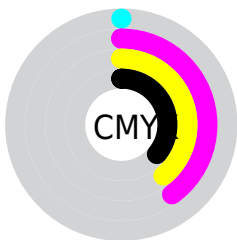
Distribution



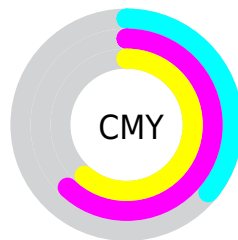
- Red (64%)
- Green (38%)
- Blue (39%)



- Red (64%)
- Yellow (38%)
- Blue (39%)



- Cyan (0%)
- Magenta (40%)
- Yellow (39%)
- Black (36%)





















- Cyan (36%)
- Magenta (62%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.880, 20.989 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, 28.880, 20.989 by changing the saturation by 10% instead.

 49, 28.880, 20.989	 49, 28.880, 20.989
 100, 28.880, 20.989	 39, 28.880, 20.989
 69, 28.880, 20.989	 29, 28.880, 20.989
 79, 28.880, 20.989	 19, 28.880, 20.989
 89, 28.880, 20.989	 9, 28.880, 20.989
 99, 28.880, 20.989	 0, 28.880, 20.989

 49, 28.880, 20.989	 49, 28.880, 20.989
 45, 37.080, 22.826	 53, 21.003, 19.567
 41, 45.426, 25.178	 58, 13.564, 18.447

■ 38, 53.666, 28.138

■ 63, 6.607, 17.537

■ 36, 61.488, 31.687

■ 67, 0.134, 13.371

■ 35, 68.421, 35.500

■ 72, 5.879, 196.429

■ 34, 73.768, 38.566

■ 77, 11.469,
195.928

■ 82, 16.679,
195.532

■ 87, 21.551,
195.204

■ 92, 26.126,
194.927

Harmonies

Complementary

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



49, 28.880, 20.989



63, 22.193, 194.602

Rectangle

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



49, 28.880, 20.989



49, 28.880, 70.989



49, 28.880, 200.989



49, 28.880, 250.989

Sweetspot

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



49, 28.878, 20.993



79, 9.712, 17.709



51, 44.188, 325.571



41, 6.460, 17.815



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, 28.878, 20.993



59, 43.872, 22.558



57, 23.751, 67.050



32, 3.629, 17.456



30, 67.009, 38.057



1, 5.471, 17.128

Inverse Universe

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



49, 28.878, 20.993



59, 43.872, 22.558



54, 20.709, 258.354



32, 3.629, 17.456



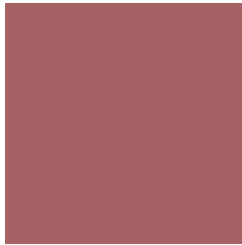
30, 67.009, 38.057



1, 5.471, 17.128

Previews

White Background



This preview shows how the CIELCh color 49, 28.880, 20.989 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, 28.880, 20.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

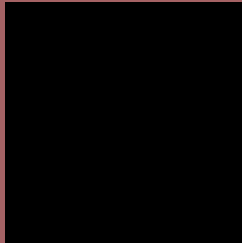
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.880, 20.989

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.880, 20.989.



This preview shows how white text looks on a background with the CIELCh color 49, 28.880, 20.989.

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, 28.880, 20.989

Protanopia

49, 4.064, 79.033

Deuteranopia

49, 13.051, 58.778



Tritanopia
49, 29.485, 14.557

Trichromacy



Original Color
49, 28.880, 20.989

Protanomaly
49, 11.803, 32.044

Deuteranomaly
49, 17.863, 36.328

Tritanomaly
49, 29.546, 16.793

Monochromacy



Original Color
49, 28.880, 20.989

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.066, 17.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.880, 20.989 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(164, 98, 100)` looks like.

```
.text, #text, p{  
    color:rgb(164, 98, 100)  
}
```

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(164, 98, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 98, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.880, 20.989 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(164, 98, 100) }
```

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

```
.border{ border-color:rgb(164, 98, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 98, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 98, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 98, 100);  
box-shadow:4px 4px 4px 4px rgb(164, 98,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.880, 20.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 98, 100) }
```

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

```
.background{ background-color: rgb(164, 98,  
100) }
```

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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