

Converting Colors

CIELCh(49, 28.659, 156.280)

Have a look what the booklet for
CIELCh(49, 28.659, 156.280)
contains.

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Color

CIELCh(49, 28.730, 155.950)

Conversions

Conversions Part 1

Format	Color
Hex	488060
RGB	72, 128, 96
RGB Percent	28%, 50%, 38%
CMY	0.7185, 0.4989, 0.6243
CMYK	0.44, 0.00, 0.25, 0.50
HSL	146°, 28%, 39%
HSV	146°, 44%, 50%
XYZ	12.4510, 17.5941, 13.7581
YIQ	107.6080, -23.1040, -21.8240

Conversions

Conversions Part 2

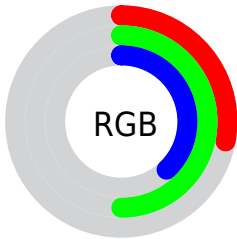
Format	Color
R_{YB}	72, 111, 128
Decimal	4751456
CIE _{Lab}	49.00, -26.24, 11.71
CIE _{LCh}	49, 28.730, 155.950
Yxy	17.5941, 0.2842, 0.4017
Android (android.graphics.Color)	4282941536 (0xFF488060)
YUV	107.6080, -5.7227, -31.2282
Hunter-Lab	41.9453, -20.4185, 9.9145

Details

The CIELCh color $49, 28.730, 155.950$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 29.654, 343.852$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 28.541, 156.470$, and $29, 28.289, 156.332$ is the 20% darker color. If you saturate the color by 10%, you get $48, 34.768, 154.674$, and if you desaturate by 10%, it is $50, 22.387, 157.074$.

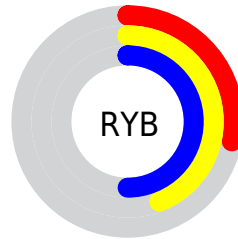
Distribution



Red (28%)

Green (50%)

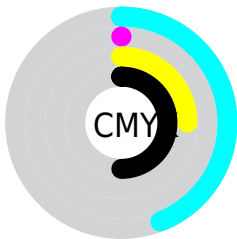
Blue (38%)



Red (28%)

Yellow (44%)

Blue (50%)

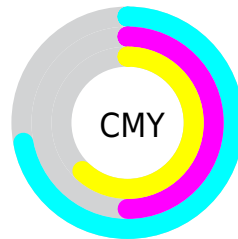


Cyan (44%)

Magenta (0%)

Yellow (25%)

Black (50%)



Cyan (72%)

Magenta (50%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 28.730, 155.950 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, 28.730, 155.950 by changing the saturation by 10% instead.


 49, 28.730,
155.950


 49, 28.730,
155.950


 100, 28.730,
155.950


 39, 28.730,
155.950

 69, 28.730,
155.950


 29, 28.730,
155.950

 79, 28.730,
155.950

 19, 28.730,
155.950

 89, 28.730,
155.950

 9, 28.730, 155.950

 99, 28.730,
155.950

 0, 28.730, 155.950

 49, 28.730,

 49, 28.730,

155.950

155.950

■ 48, 34.768,
154.674

■ 50, 22.387,
157.074

■ 48, 40.393,
153.228

■ 51, 15.844,
158.070

■ 47, 45.510,
151.594

■ 52, 9.198, 158.964

■ 47, 50.051,
149.769

■ 53, 2.532, 159.829

■ 54, 4.089, 340.363

■ 47, 53.997,
147.771

■ 56, 10.612,
341.047

■ 47, 56.281,
146.598

■ 57, 17.002,
341.645

■ 59, 23.233,
342.189

■ 60, 29.291,

Harmonies

Complementary

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



49, 28.730, 155.950



38, 29.654, 343.852

Rectangle

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



49, 28.730, 155.950



49, 28.730, 205.950



49, 28.730, 335.950



49, 28.730, 25.950

Sweetspot

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



49, 28.731, 155.949



66, 10.703, 159.008



50, 33.333, 124.020



34, 7.549, 158.843



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, 28.731, 155.949



62, 42.321, 154.619



50, 19.921, 189.391



26, 3.740, 159.361



46, 56.182, 146.603



0, 0.000, 0.000

Inverse Universe

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



38, 29.654, 343.852



46, 43.713, 345.091



37, 25.607, 17.453



25, 3.773, 340.635



27, 51.933, 354.250



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 28.730, 155.950 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, 28.730, 155.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

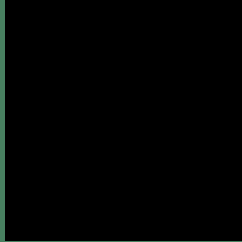
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.730, 155.950

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.730, 155.950.



This preview shows how white text looks on a background with the CIELCh color 49, 28.730, 155.950.

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, 28.730, 155.950

Protanopia

49, 15.569, 95.052

Deuteranopia

49, 11.956, 59.390



Tritanopia
49, 15.510, 220.454

Trichromacy



Original Color
49, 28.730, 155.950

Protanomaly
49, 17.535, 129.308

Deuteranomaly
49, 12.063, 122.811

Tritanomaly
49, 17.569, 185.900

Monochromacy



Original Color
49, 28.730, 155.950

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.151, 158.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.730, 155.950 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(72, 128, 96)` looks like.

```
.text, #text, p{  
    color:rgb(72, 128, 96)  
}
```

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(72, 128, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 128, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.730, 155.950 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(72, 128, 96) }
```

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

```
.border{ border-color:rgb(72, 128, 96) }
```

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

Here you see how a box with a 4 pixel rgb(72, 128, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 128, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 128, 96);  
box-shadow:4px 4px 4px 4px rgb(72, 128,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.730, 155.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 128, 96) }
```

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

```
.background{ background-color: rgb(72, 128,  
96) }
```

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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