

Converting Colors

CIELCh(49, 20.325, 109.147)

Have a look what the booklet for
CIELCh(49, 20.325, 109.147)
contains.

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Color

CIELCh(49, 20.272, 109.963)

Conversions

Conversions Part 1

Format	Color
Hex	757754
RGB	117, 119, 84
RGB Percent	46%, 47%, 33%
CMY	0.5414, 0.5336, 0.6708
CMYK	0.02, 0.00, 0.29, 0.53
HSL	63°, 17%, 40%
HSV	63°, 29%, 47%
XYZ	15.5137, 17.5941, 10.9529
YIQ	114.4120, 10.0430, -11.3090

Conversions

Conversions Part 2

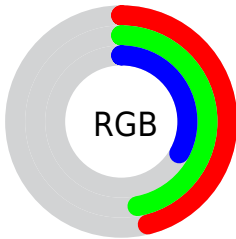
Format	Color
RYB	84, 119, 86
Decimal	7698260
CIELab	49.00, -6.92, 19.05
CIELCh	49, 20.272, 109.963
Yxy	17.5941, 0.3521, 0.3993
Android (android.graphics.Color)	4285888340 (0xFF757754)
YUV	114.4120, -14.9931, 2.2697
Hunter-Lab	41.9453, -7.3850, 13.8797

Details

The CIELCh color $49, 20.272, 109.963$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 21.681, 295.478$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 20.119, 109.272$, and $29, 20.685, 110.352$ is the 20% darker color. If you saturate the color by 10%, you get $49, 26.947, 109.144$, and if you desaturate by 10%, it is $49, 13.449, 110.806$.

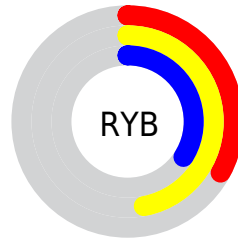
Distribution



Red (46%)

Green (47%)

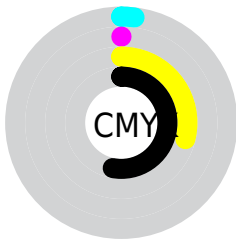
Blue (33%)



Red (33%)

Yellow (47%)

Blue (34%)

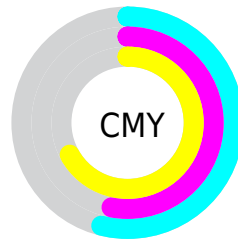


Cyan (2%)

Magenta (0%)

Yellow (29%)

Black (53%)



Cyan (54%)


Magenta (53%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 20.272, 109.963 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, 20.272, 109.963 by changing the saturation by 10% instead.


 49, 20.272,
109.963


 49, 20.272,
109.963


 100, 20.272,
109.963

 39, 20.272,
109.963

 69, 20.272,
109.963


 29, 20.272,
109.963

 79, 20.272,
109.963

 19, 20.272,
109.963

 89, 20.272,
109.963

 9, 20.272, 109.963

 99, 20.272,
109.963

 0, 20.272, 109.963

 49, 20.272,

 49, 20.272,

109.963

109.963

■ 49, 26.947,
109.144

■ 49, 13.449,
110.806

■ 48, 33.372,
108.361

■ 50, 6.542, 111.645

■ 48, 39.398,
107.648

■ 50, 0.406, 292.550

■ 50, 7.364, 293.289

■ 48, 44.813,
107.044

■ 51, 14.312,
294.066

■ 48, 49.338,
106.596

■ 51, 21.234,
294.812

■ 48, 52.677,
106.353

■ 52, 28.119,
295.522

■ 48, 55.130,
106.255

■ 53, 34.958,
296.196

■ 48, 55.275,
106.249

■ 53, 41.744,

Harmonies

Complementary

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



49, 20.272, 109.963



37, 21.681, 295.478

Rectangle

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



49, 20.272, 109.963



49, 20.272, 159.963



49, 20.272, 289.963



49, 20.272, 339.963

Sweetspot

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



49, 20.273, 109.967



64, 7.781, 111.661



40, 14.984, 25.511



33, 5.448, 111.560



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 20.273, 109.967



63, 29.897, 109.431



48, 22.012, 129.521



25, 3.862, 111.679



49, 56.425, 106.259



94, 95.686, 106.445

Inverse Universe

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



37, 21.681, 295.478



45, 32.543, 296.345



39, 22.784, 312.079



22, 3.941, 293.229



12, 77.382, 306.563



32, 131.523, 306.407

Previews

White Background



This preview shows how the CIELCh color 49, 20.272, 109.963 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 CIELCh color 49, 20.272, 109.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

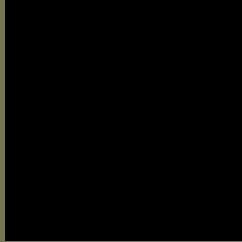
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

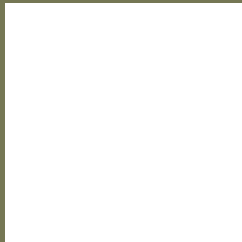
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 20.272, 109.963

Background



This preview shows how black text looks on a background with the CIELCh color 49, 20.272, 109.963.



This preview shows how white text looks on a background with the CIELCh color 49, 20.272, 109.963.

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, 20.272, 109.963

Protanopia

49, 19.622, 95.710

Deuteranopia

49, 19.390, 70.876



Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color
49, 20.272, 109.963

Protanomaly
49, 19.860, 101.058

Deuteranomaly
49, 18.790, 86.816

Tritanomaly
49, 4.408, 87.490

Monochromacy



Original Color
49, 20.272, 109.963

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.624, 112.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 20.272, 109.963 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(117, 119, 84)` looks like.

```
.text, #text, p{  
    color:rgb(117, 119, 84)  
}
```

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(117, 119, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 119, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 20.272, 109.963 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(117, 119, 84) }
```

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

```
.border{ border-color:rgb(117, 119, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 119, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 119, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 119, 84);  
box-shadow:4px 4px 4px 4px rgb(117, 119,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 20.272, 109.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 119, 84) }
```

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

```
.background{ background-color: rgb(117,  
119, 84) }
```

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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