

Converting Colors

CIELCh(49, 39.351, 104.926)

Have a look what the booklet for
CIELCh(49, 39.351, 104.926)
contains.

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Color

CIELCh(49, 39.487, 104.904)

Conversions

Conversions Part 1

Format	Color
Hex	787831
RGB	120, 120, 49
RGB Percent	47%, 47%, 19%
CMY	0.5301, 0.5301, 0.8085
CMYK	0.00, 0.00, 0.59, 0.53
HSL	60°, 42%, 33%
HSV	60°, 59%, 47%
XYZ	14.9692, 17.5941, 5.4952
YIQ	111.9060, 22.7910, -22.0810

Conversions

Conversions Part 2

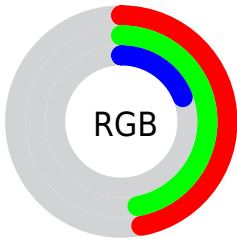
Format	Color
R _Y B	49, 120, 49
Decimal	7895089
CIE Lab	49.00, -10.16, 38.16
CIE LCh	49, 39.487, 104.904
Yxy	17.5941, 0.3933, 0.4623
Android (android.graphics.Color)	4286085169 (0xFF787831)
YUV	111.9060, -31.0127, 7.0984
Hunter-Lab	41.9453, -9.7021, 21.5941

Details

The CIELCh color $49, 39.487, 104.904$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $24, 46.565, 298.864$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 39.511, 104.872$, and $29, 38.941, 105.183$ is the 20% darker color. If you saturate the color by 10%, you get $49, 44.934, 104.193$, and if you desaturate by 10%, it is $49, 33.425, 105.713$.

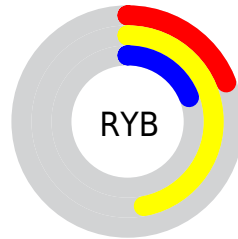
Distribution



Red (47%)

Green (47%)

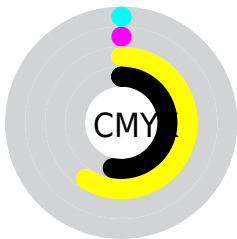
Blue (19%)



Red (19%)

Yellow (47%)

Blue (19%)

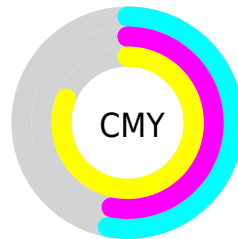


Cyan (0%)

Magenta (0%)

Yellow (59%)

Black (53%)



Cyan (53%)


Magenta (53%)

Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 39.487, 104.904 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, 39.487, 104.904 by changing the saturation by 10% instead.


 49, 39.487,
104.904


 49, 39.487,
104.904


 100, 39.487,
104.904


 39, 39.487,
104.904

 69, 39.487,
104.904


 29, 39.487,
104.904

 79, 39.487,
104.904

 19, 39.487,
104.904

 89, 39.487,
104.904

 9, 39.487, 104.904

 99, 39.487,
104.904

 0, 39.487, 104.904

 49, 39.487,

 49, 39.487,

104.904

■ 49, 44.934,
104.193

■ 49, 49.483,
103.609

■ 49, 52.833,
103.186

■ 49, 55.256,
102.884

■ 49, 55.445,
102.861

104.904

■ 49, 33.425,
105.713

■ 49, 26.962,
106.582

■ 50, 20.249,
107.488

■ 50, 13.389,
108.410

■ 50, 6.446, 109.332

■ 50, 0.537, 290.335

■ 51, 7.529, 291.153

■ 51, 14.512,
292.017

■ 52, 21.471,

Harmonies

Complementary

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



49, 39.487, 104.904



24, 46.565, 298.864

Rectangle

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



49, 39.487, 104.904



49, 39.487, 154.904



49, 39.487, 284.904



49, 39.487, 334.904

Sweetspot

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



49, 39.488, 104.907



64, 15.510, 108.484



30, 34.784, 26.620



33, 10.852, 108.259



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, 39.488, 104.907



62, 56.363, 103.972



46, 42.825, 126.529



25, 3.857, 109.353



50, 56.293, 102.861



95, 95.438, 102.862

Inverse Universe

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



24, 46.565, 298.864



26, 70.301, 301.715



28, 46.619, 311.931



22, 3.936, 291.069



12, 77.729, 306.288



32, 131.782, 306.288

Previews

White Background



This preview shows how the CIELCh color 49, 39.487, 104.904 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, 39.487, 104.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

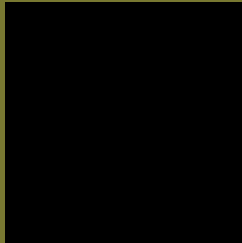
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 39.487, 104.904

Background



This preview shows how black text looks on a background with the CIELCh color 49, 39.487, 104.904.



This preview shows how white text looks on a background with the CIELCh color 49, 39.487, 104.904.

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, 39.487, 104.904

Protanopia

49, 39.156, 95.837

Deuteranopia

49, 38.153, 80.790



Tritanopia
49, 8.062, 339.462

Trichromacy



Original Color
49, 39.487, 104.904

Protanomaly
49, 39.265, 99.357

Deuteranomaly
49, 37.735, 89.731

Tritanomaly
49, 12.339, 90.100

Monochromacy



Original Color
49, 39.487, 104.904

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 15.188, 108.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 39.487, 104.904 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(120, 120, 49)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 49)  
}
```

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(120, 120, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 39.487, 104.904 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(120, 120, 49) }
```

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

```
.border{ border-color:rgb(120, 120, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 49);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 39.487, 104.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 49) }
```

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

```
.background{ background-color: rgb(120,  
120, 49) }
```

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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