

Converting Colors

CIELCh(49, 52.162, 294.597)

Have a look what the booklet for
CIELCh(49, 52.162, 294.597)
contains.

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Color

CIELCh(49, 52.120, 294.705)

Conversions

Conversions Part 1

Format	Color
Hex	666CC5
RGB	102, 108, 197
RGB Percent	40%, 42%, 77%
CMY	0.5998, 0.5763, 0.2273
CMYK	0.48, 0.45, 0.00, 0.23
HSL	236°, 45%, 59%
HSV	236°, 48%, 77%
XYZ	20.9343, 17.5941, 55.1425
YIQ	116.3520, -32.1450, 26.4070

Conversions

Conversions Part 2

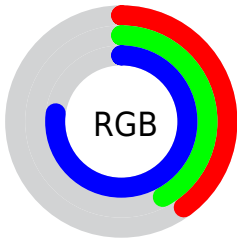
Format	Color
RYB	102, 108, 197
Decimal	6712517
CIELab	49.00, 21.78, -47.35
CIELCh	49, 52.120, 294.705
Yxy	17.5941, 0.2235, 0.1878
Android (android.graphics.Color)	4284902597 (0xFF666CC5)
YUV	116.3520, 39.7595, -12.5867
Hunter-Lab	41.9453, 15.6826, -48.5827

Details

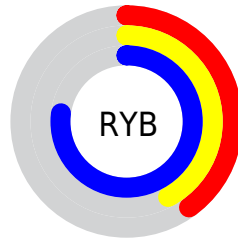
The CIELCh color $49, 52.120, 294.705$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $76, 46.426, 102.622$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 52.186, 294.846$, and $29, 52.322, 294.693$ is the 20% darker color. If you saturate the color by 10%, you get $43, 64.184, 296.914$, and if you desaturate by 10%, it is $55, 40.472, 292.753$.

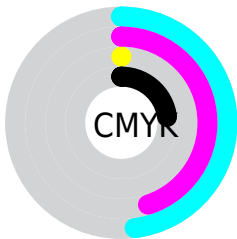
Distribution



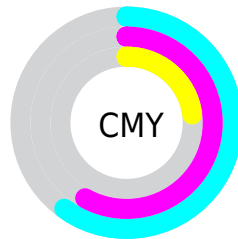
- Red (40%)
- Green (42%)
- Blue (77%)



- Red (40%)
- Yellow (42%)
- Blue (77%)



- Cyan (48%)
- Magenta (45%)
- Yellow (0%)
- Black (23%)





- Cyan (60%)
- Magenta (58%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 52.120, 294.705 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, 52.120, 294.705 by changing the saturation by 10% instead.


 49, 52.120,
294.705


 49, 52.120,
294.705


 100, 52.120,
294.705


 39, 52.120,
294.705

 69, 52.120,
294.705


 29, 52.120,
294.705

 79, 52.120,
294.705

 19, 52.120,
294.705

 89, 52.120,
294.705

 9, 52.120, 294.705

 99, 52.120,
294.705

 0, 52.120, 294.705

 49, 52.120,

 49, 52.120,

294.705

■ 43, 64.184,
296.914

■ 37, 76.467,
299.306

■ 32, 88.423,
301.715

■ 28, 98.940,
303.862

■ 25, 106.464,
305.404

■ 25, 107.417,
305.580

294.705

■ 55, 40.472,
292.753

■ 62, 29.284,
291.067

■ 68, 18.540,
289.627

■ 74, 8.208, 288.406

■ 81, 1.745, 107.299

■ 87, 11.346,
106.450

■ 93, 20.620,
105.688

■ 99, 29.208,
107.958

Harmonies

Complementary

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



49, 52.120, 294.705



76, 46.426, 102.622

Rectangle

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



49, 52.120, 294.705



49, 52.120, 344.705



49, 52.120, 114.705



49, 52.120, 164.705

Sweetspot

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



49, 52.119, 294.706



89, 17.440, 289.114



74, 30.143, 190.548



46, 12.090, 289.391



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 52.119, 294.706



55, 78.941, 297.071



51, 56.589, 309.444



39, 5.724, 288.539



20, 92.832, 305.409



2, 20.552, 290.112

Inverse Universe

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



55, 40.832, 20.126



64, 61.801, 22.676



75, 52.090, 124.394



39, 4.287, 14.819



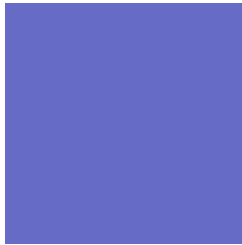
34, 72.159, 37.172



3, 15.923, 16.135

Previews

White Background



This preview shows how the CIE LCh color 49, 52.120, 294.705 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, 52.120, 294.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

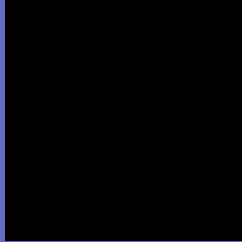
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 52.120, 294.705

Background



This preview shows how black text looks on a background with the CIELCh color 49, 52.120, 294.705.



This preview shows how white text looks on a background with the CIELCh color 49, 52.120, 294.705.

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





Tritanopia
49, 14.956, 221.379

Trichromacy



Original Color
49, 52.120, 294.705

Protanomaly
49, 52.254, 289.178

Deuteranomaly
49, 48.441, 284.800

Tritanomaly
49, 23.694, 270.448

Monochromacy



Original Color
49, 52.120, 294.705

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 18.847, 290.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 52.120, 294.705 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(102, 108, 197)` looks like.

```
.text, #text, p{  
    color:rgb(102, 108, 197)  
}
```

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(102, 108, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 108, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 52.120, 294.705 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(102, 108, 197) }
```

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

```
.border{ border-color:rgb(102, 108, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 108, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 108, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 108, 197);  
box-shadow:4px 4px 4px 4px rgb(102, 108,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 52.120, 294.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 108, 197) }
```

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

```
.background{ background-color: rgb(102,  
108, 197) }
```

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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