

Converting Colors

CIELCh(49, 55.558, 296.905)

Have a look what the booklet for
CIELCh(49, 55.558, 296.905)
contains.

CIELCh(49, 55.630, 296.897)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 55.630, 296.897)

Conversions

Conversions Part 1

Format	Color
Hex	6A6AC9
RGB	106, 106, 201
RGB Percent	42%, 42%, 79%
CMY	0.5842, 0.5842, 0.2117
CMYK	0.47, 0.47, 0.00, 0.21
HSL	240°, 47%, 60%
HSV	240°, 47%, 79%
XYZ	21.6458, 17.5941, 57.5237
YIQ	116.8300, -30.4950, 29.5450

Conversions

Conversions Part 2

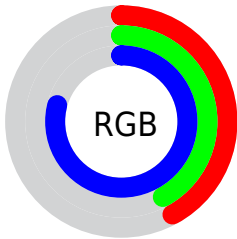
Format	Color
R _Y B	106, 106, 201
Decimal	6974153
CIE Lab	49.00, 25.17, -49.61
CIE LCh	49, 55.630, 296.897
Yxy	17.5941, 0.2237, 0.1818
Android (android.graphics.Color)	4285164233 (0xFF6A6AC9)
YUV	116.8300, 41.4958, -9.4979
Hunter-Lab	41.9453, 18.7106, -51.9486

Details

The CIELCh color $49, 55.630, 296.897$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $79, 48.936, 105.699$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 53.930, 296.857$, and $29, 55.415, 296.776$ is the 20% darker color. If you saturate the color by 10%, you get $43, 68.732, 298.975$, and if you desaturate by 10%, it is $56, 42.936, 295.045$.

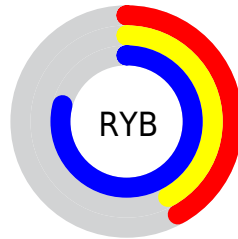
Distribution



Red (42%)

Green (42%)

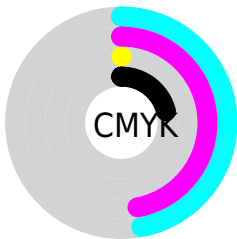
Blue (79%)



Red (42%)

Yellow (42%)

Blue (79%)

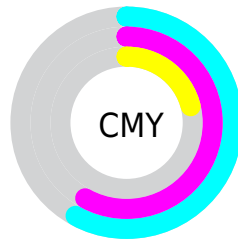


Cyan (47%)

Magenta (47%)

Yellow (0%)

Black (21%)



Cyan (58%)


Magenta (58%)

Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.630, 296.897 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, 55.630, 296.897 by changing the saturation by 10% instead.


 49, 55.630,
296.897


 49, 55.630,
296.897


 100, 55.630,
296.897


 39, 55.630,
296.897

 69, 55.630,
296.897


 29, 55.630,
296.897

 79, 55.630,
296.897

 19, 55.630,
296.897

 89, 55.630,
296.897

 9, 55.630, 296.897

 99, 55.630,
296.897

 0, 55.630, 296.897

 49, 55.630,

 49, 55.630,

296.897

■ 43, 68.732,
298.975

■ 36, 81.906,
301.182

■ 31, 94.314,
303.310

■ 27, 104.412,
305.035

■ 25, 110.532,
306.065

■ 24, 111.864,
306.287

296.897

■ 56, 42.936,
295.045

■ 62, 30.748,
293.442

■ 69, 19.067,
292.075

■ 76, 7.864, 290.918

■ 83, 2.897, 109.903

■ 89, 13.250,
109.084

■ 96, 23.225,
108.374

■ 99, 27.226,
108.110

Harmonies

Complementary

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



49, 55.630, 296.897



79, 48.936, 105.699

Rectangle

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



49, 55.630, 296.897



49, 55.630, 346.897



49, 55.630, 116.897



49, 55.630, 166.897

Sweetspot

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



49, 55.629, 296.898



89, 18.644, 291.699



75, 29.350, 197.262



45, 12.928, 291.965



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, 55.629, 296.898



54, 83.071, 299.092



53, 56.655, 311.456



38, 6.114, 291.146



19, 95.828, 306.287



1, 21.510, 291.747

Inverse Universe

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



59, 60.970, 326.911



69, 86.803, 327.354



76, 52.864, 126.878



39, 7.382, 324.933



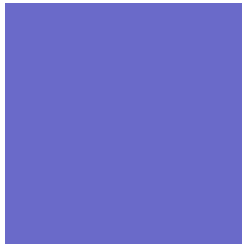
39, 82.758, 328.234



4, 26.741, 327.027

Previews

White Background



This preview shows how the CIE LCh color 49, 55.630, 296.897 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, 55.630, 296.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

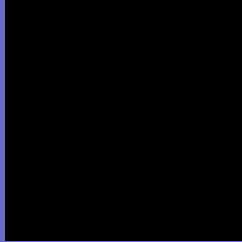
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 55.630, 296.897

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.630, 296.897.




This preview shows how white text looks on a background with the CIELCh color 49, 55.630, 296.897.

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, 13.839, 223.514

Trichromacy



Original Color
49, 55.630, 296.897

Protanomaly
49, 55.706, 290.228

Deuteranomaly
49, 50.792, 285.373

Tritanomaly
49, 24.926, 275.780

Monochromacy



Original Color
49, 55.630, 296.897

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 20.602, 292.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.630, 296.897 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(106, 106, 201)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 201)  
}
```

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(106, 106, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.630, 296.897 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(106, 106, 201) }
```

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

```
.border{ border-color:rgb(106, 106, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 201);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.630, 296.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 201) }
```

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

```
.background{ background-color: rgb(106,  
106, 201) }
```

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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