

Converting Colors

CIELCh(6, 49.861, 308.924)

Have a look what the booklet for
CIELCh(6, 49.861, 308.924) contains.

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Color

CIELCh(6, 49.819, 308.826)

Conversions

Conversions Part 1

Format	Color
Hex	170148
RGB	23, 1, 72
RGB Percent	9%, 0%, 28%
CMY	0.9104, 0.9967, 0.7183
CMYK	0.68, 0.99, 0.00, 0.72
HSL	259°, 98%, 14%
HSV	259°, 99%, 28%
XYZ	1.5233, 0.6642, 6.1515
YIQ	15.6720, -9.6790, 26.7450

Conversions

Conversions Part 2

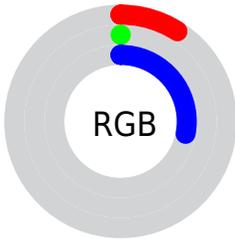
Format	Color
R_{YB}	23, 1, 72
Decimal	1507656
CIE Lab	6.00, 31.23, -38.81
CIE LCh	6, 49.819, 308.826
Yxy	0.6642, 0.1827, 0.0797
Android (android.graphics.Color)	4279697736 (0xFF170148)
YUV	15.6720, 27.7697, 6.4267
Hunter-Lab	8.1501, 19.0998, -39.0458

Details

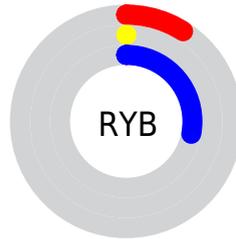
The CIELCh color **6, 49.819, 308.826** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **28, 40.297, 118.919**, and the grayscale version is **4, 0.001, 296.812**.

A 20% lighter version of the original color is **26, 50.272, 308.969**, and **1, 14.128, 289.097** is the 20% darker color. If you saturate the color by 10%, you get **6, 50.332, 308.877**, and if you desaturate by 10%, it is **8, 45.240, 308.262**.

Distribution



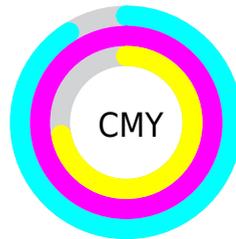
- Red (9%)
- Green (0%)
- Blue (28%)



- Red (9%)
- Yellow (0%)
- Blue (28%)



- Cyan (68%)
- Magenta (99%)
- Yellow (0%)
- Black (72%)



- Cyan (91%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 6, 49.819, 308.826 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 6, 49.819, 308.826 by changing the saturation by 10% instead.

 6, 49.819, 308.826

 6, 49.819, 308.826

 96, 49.819,
308.826

 0, 49.819, 308.826

 26, 49.819,
308.826

 36, 49.819,
308.826

 46, 49.819,
308.826

 56, 49.819,
308.826

 66, 49.819,
308.826

 76, 49.819,
308.826

■ 86, 49.819,
308.826

■ 6, 49.819, 308.826

■ 6, 49.819, 308.826

■ 6, 50.332, 308.877

■ 8, 45.240, 308.262

■ 10, 40.554,
307.651

■ 12, 35.428,
306.916

■ 15, 30.082,
306.116

■ 17, 24.698,
305.316

■ 20, 19.378,
304.552

■ 23, 14.177,
303.846

■ 25, 9.119, 303.203

■ 28, 4.213, 302.625

Harmonies

Complementary

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



6, 49.819, 308.826



28, 40.297, 118.919

Rectangle

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



6, 49.819, 308.826



6, 49.819, 358.826



6, 49.819, 128.826



6, 49.819, 178.826

Sweetspot

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



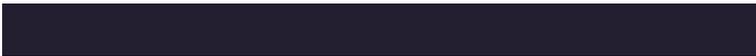
6, 49.820, 308.827



30, 18.555, 304.008



19, 18.650, 250.002



13, 12.807, 304.158



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



6, 49.820, 308.827



10, 62.139, 309.092



12, 46.676, 321.398



13, 2.641, 302.610



11, 64.520, 309.025



31, 118.892, 308.336

Inverse Universe

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



13, 37.255, 343.241



19, 44.881, 344.177



26, 45.968, 133.752



13, 2.512, 335.174



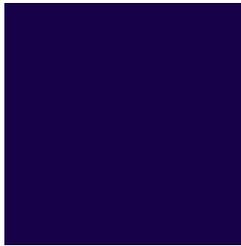
20, 46.504, 344.318



50, 83.785, 345.936

Previews

White Background



This preview shows how the CIELCh color 6, 49.819, 308.826 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

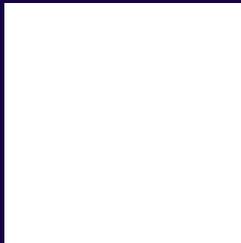
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 6, 49.819, 308.826

Background



This preview shows how black text looks on a background with the CIELCh color 6, 49.819, 308.826.



This preview shows how white text looks on a background with the CIELCh color 6, 49.819, 308.826.

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

6, 49.819, 308.826

Protanopia

8, 20.157, 277.876

Deuteranopia

8, 14.015, 259.028



Tritanopia
8, 9.912, 202.725

Trichromacy



Original Color
6, 49.819, 308.826

Protanomaly
6, 31.272, 296.856

Deuteranomaly
6, 26.850, 294.019

Tritanomaly
6, 20.108, 288.070

Monochromacy



Original Color
6, 49.819, 308.826

Achromatopsia
5, 0.001, 296.812

Achromatomaly
4, 17.879, 301.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 6, 49.819, 308.826 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(23, 1, 72)` looks like.

```
.text, #text, p{  
    color:rgb(23, 1, 72)  
}
```

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(23, 1, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 1, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 6, 49.819, 308.826 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(23, 1, 72) }
```

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

```
.border{ border-color:rgb(23, 1, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 1, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 1, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(23, 1, 72); box-shadow:4px  
4px 4px 4px rgb(23, 1, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 6, 49.819, 308.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 1, 72) }
```

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

```
.background{ background-color: rgb(23, 1,  
72) }
```

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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