

Converting Colors

CIE LCh(22, 45.121, 5.227)

Have a look what the booklet for
CIELCh(22, 45.121, 5.227) contains.

CIELCh(22, 44.944, 5.378)	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(22, 44.944, 5.378)

Conversions

Conversions Part 1

Format	Color
Hex	6D0130
RGB	109, 1, 48
RGB Percent	43%, 0%, 19%
CMY	0.5714, 0.9945, 0.8109
CMYK	0.00, 0.99, 0.56, 0.57
HSL	334°, 97%, 22%
HSV	334°, 99%, 43%
XYZ	6.8959, 3.5154, 3.1358
YIQ	38.6500, 49.2810, 37.5130

Conversions

Conversions Part 2

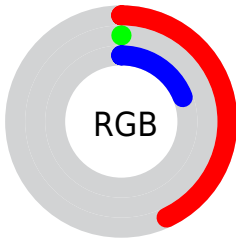
Format	Color
RYB	109, 1, 48
Decimal	7143728
CIELab	22.00, 44.75, 4.21
CIELCh	22, 44.944, 5.378
Yxy	3.5154, 0.5090, 0.2595
Android (android.graphics.Color)	4285333808 (0xFF6D0130)
YUV	38.6500, 4.6095, 61.6969
Hunter-Lab	18.7494, 32.8395, 3.2084

Details

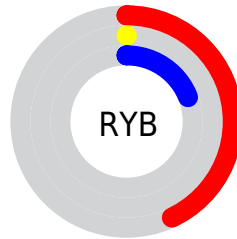
The CIELCh color **22, 44.944, 5.378** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **40, 43.059, 154.153**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 45.045, 4.909**, and **8, 30.163, 23.524** is the 20% darker color. If you saturate the color by 10%, you get **22, 45.237, 5.817**, and if you desaturate by 10%, it is **23, 42.864, 1.846**.

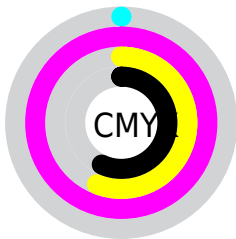
Distribution



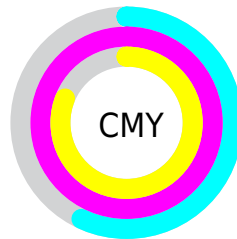
- Red (43%)
- Green (0%)
- Blue (19%)



- Red (43%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (99%)
- Yellow (56%)
- Black (57%)



- Cyan (57%)
- Magenta (99%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 44.944, 5.378 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 22, 44.944, 5.378 by changing the saturation by 10% instead.

 22, 44.944, 5.378  22, 44.944, 5.378

 100, 44.944, 5.378  12, 44.944, 5.378

 42, 44.944, 5.378  2, 44.944, 5.378

 52, 44.944, 5.378  0, 44.944, 5.378


 62, 44.944, 5.378

 72, 44.944, 5.378

 82, 44.944, 5.378

 92, 44.944, 5.378

 22, 44.944, 5.378  22, 44.944, 5.378

 22, 45.237, 5.817  23, 42.864, 1.846

■ 24, 40.176,
358.733

■ 26, 36.468,
356.249

■ 28, 31.933,
354.246

■ 31, 26.821,
352.599

■ 34, 21.373,
351.217

■ 37, 15.782,
350.029

■ 40, 10.187,
348.986

■ 43, 4.682, 348.037

Harmonies

Complementary

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



22, 44.944, 5.378



40, 43.059, 154.153

Rectangle

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



22, 44.944, 5.378



22, 44.944, 55.378



22, 44.944, 185.378



22, 44.944, 235.378

Sweetspot

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



22, 44.942, 5.380



47, 20.567, 350.267



16, 65.258, 313.633



22, 13.957, 350.631



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



22, 44.942, 5.380



30, 54.826, 7.252



22, 52.392, 37.860



21, 2.972, 348.059



24, 47.568, 6.226



52, 81.960, 9.340

Inverse Universe

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



22, 44.942, 5.380



30, 54.826, 7.252



40, 25.111, 204.202



21, 2.972, 348.059



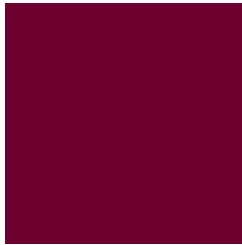
24, 47.568, 6.226



52, 81.960, 9.340

Previews

White Background



This preview shows how the CIE LCh color 22, 44.944, 5.378 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



This preview shows how the CIE LCh color 22, 44.944, 5.378 looks on a 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 22, 44.944, 5.378

Background



This preview shows how black text looks on a background with the CIELCh color 22, 44.944, 5.378.



This preview shows how white text looks on a background with the CIELCh color 22, 44.944, 5.378.

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

22, 44.944, 5.378

Protanopia

24, 9.352, 284.579

Deuteranopia

24, 9.002, 66.943



Tritanopia
23, 45.640, 33.157

Trichromacy



Original Color
22, 44.944, 5.378

Protanomaly
20, 23.391, 337.635

Deuteranomaly
21, 23.474, 8.115

Tritanomaly
22, 43.977, 22.966

Monochromacy



Original Color
22, 44.944, 5.378

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 21.741, 354.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 44.944, 5.378 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(109, 1, 48)` looks like.

```
.text, #text, p{  
    color:rgb(109, 1, 48)  
}
```

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(109, 1, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 1, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 44.944, 5.378 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(109, 1, 48) }
```

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

```
.border{ border-color:rgb(109, 1, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 1, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 1, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 1, 48);  
box-shadow:4px 4px 4px 4px rgb(109, 1, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 44.944, 5.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 1, 48) }
```

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

```
.background{ background-color: rgb(109, 1,  
48) }
```

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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