

Converting Colors

CIELCh(22, 30.269, 9.587)

Have a look what the booklet for
CIELCh(22, 30.269, 9.587) contains.

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Color

CIELCh(22, 30.199, 9.982)

Conversions

Conversions Part 1

Format	Color
Hex	5D1F2E
RGB	93, 31, 46
RGB Percent	36%, 12%, 18%
CMY	0.6349, 0.8780, 0.8193
CMYK	0.00, 0.67, 0.51, 0.63
HSL	345°, 50%, 24%
HSV	345°, 67%, 37%
XYZ	5.5120, 3.5154, 2.9816
YIQ	51.2480, 32.1370, 17.8090

Conversions

Conversions Part 2

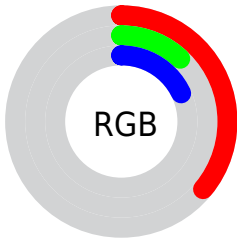
Format	Color
RYB	93, 31, 46
Decimal	6102830
CIELab	22.00, 29.74, 5.23
CIELCh	22, 30.199, 9.982
Yxy	3.5154, 0.4590, 0.2927
Android (android.graphics.Color)	4284292910 (0xFF5D1F2E)
YUV	51.2480, -2.5873, 36.6165
Hunter-Lab	18.7494, 19.6640, 3.6962

Details

The CIELCh color **22, 30.199, 9.982** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **35, 23.995, 173.328**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 29.960, 9.533**, and **5, 23.909, 20.292** is the 20% darker color. If you saturate the color by 10%, you get **20, 34.236, 12.962**, and if you desaturate by 10%, it is **24, 25.765, 7.593**.

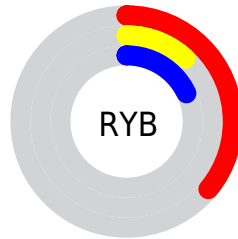
Distribution



Red (36%)

Green (12%)

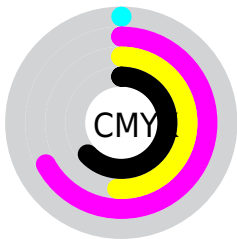
Blue (18%)



Red (36%)

Yellow (12%)

Blue (18%)

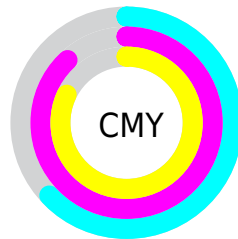


Cyan (0%)

Magenta (67%)

Yellow (51%)

Black (63%)



Cyan (63%)

Magenta (88%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 30.199, 9.982 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, 30.199, 9.982 by changing the saturation by 10% instead.

 22, 30.199, 9.982  22, 30.199, 9.982

 100, 30.199, 9.982  12, 30.199, 9.982

 42, 30.199, 9.982  2, 30.199, 9.982


 52, 30.199, 9.982  0, 30.199, 9.982

 62, 30.199, 9.982

 72, 30.199, 9.982

 82, 30.199, 9.982

 92, 30.199, 9.982

 22, 30.199, 9.982  22, 30.199, 9.982

 20, 34.236, 12.962  24, 25.765, 7.593

19, 37.744, 16.648

27, 21.111, 5.659

18, 40.966, 20.695

29, 16.388, 4.074

17, 42.165, 21.924

32, 11.714, 2.749

35, 7.165, 1.617

38, 2.787, 0.592

41, 1.400, 180.059

44, 5.391, 179.165

47, 9.192, 178.479

Harmonies

Complementary

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



22, 30.199, 9.982



35, 23.995, 173.328

Rectangle

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



22, 30.199, 9.982



22, 30.199, 59.982



22, 30.199, 189.982



22, 30.199, 239.982

Sweetspot

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



22, 30.197, 9.984



43, 10.718, 2.051



22, 42.871, 319.685



21, 7.398, 2.261



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



22, 30.197, 9.984



26, 43.438, 15.011



25, 27.521, 44.607



17, 2.350, 0.820



21, 47.651, 23.188



50, 86.312, 27.140

Inverse Universe

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



22, 30.197, 9.984



26, 43.438, 15.011



31, 17.322, 232.898



17, 2.350, 0.820



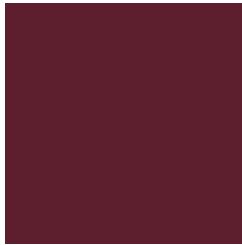
21, 47.651, 23.188



50, 86.312, 27.140

Previews

White Background



This preview shows how the CIE LCh color 22, 30.199, 9.982 looks on a white background.

Color Contrast Check

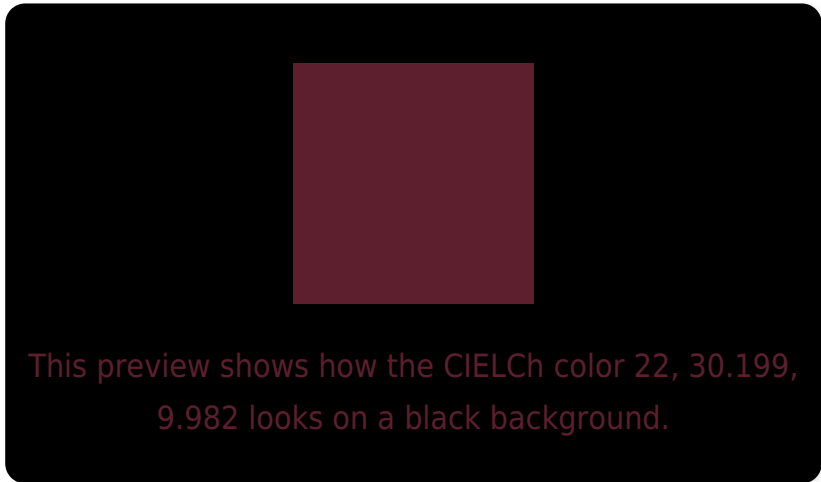
Large Text (above 18pt) WCAG AA ✓ Pass

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 22, 30.199, 9.982

Background



This preview shows how black text looks on a background with the CIELCh color 22, 30.199, 9.982.



This preview shows how white text looks on a background with the CIELCh color 22, 30.199, 9.982.

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, 30.199, 9.982

Protanopia

23, 2.676, 290.779

Deuteranopia

23, 8.196, 66.634



Tritanopia
22, 30.048, 24.966

Trichromacy



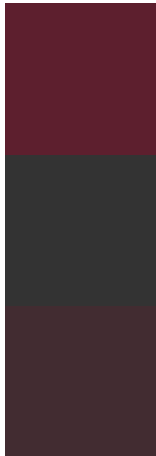
Original Color
22, 30.199, 9.982

Protanomaly
22, 11.594, 354.714

Deuteranomaly
22, 15.052, 22.752

Tritanomaly
22, 29.788, 19.197

Monochromacy



Original Color
22, 30.199, 9.982

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 11.086, 4.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 30.199, 9.982 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(93, 31, 46)` looks like.

```
.text, #text, p{  
    color:rgb(93, 31, 46)  
}
```

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(93, 31, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 31, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 30.199, 9.982 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(93, 31, 46) }
```

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

```
.border{ border-color:rgb(93, 31, 46) }
```

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

Here you see how a box with a 4 pixel rgb(93, 31, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 31, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 31, 46);  
box-shadow:4px 4px 4px 4px rgb(93, 31, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 30.199, 9.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 31, 46) }
```

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

```
.background{ background-color: rgb(93, 31,  
46) }
```

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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