

Converting Colors

CIELCh(12, 22.430, 351.245)

Have a look what the booklet for
CIELCh(12, 22.430, 351.245)
contains.

CIELCh(12, 22.629, 350.689)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 22.629, 350.689)

Conversions

Conversions Part 1

Format	Color
Hex	391125
RGB	57, 17, 37
RGB Percent	22%, 7%, 15%
CMY	0.7763, 0.9332, 0.8548
CMYK	0.00, 0.70, 0.35, 0.78
HSL	330°, 54%, 15%
HSV	330°, 70%, 22%
XYZ	2.2245, 1.4064, 1.9068
YIQ	31.2400, 17.4200, 14.7000

Conversions

Conversions Part 2

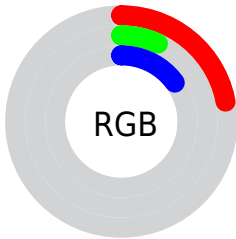
Format	Color
R_{YB}	57, 17, 37
Decimal	3739941
CIE _{Lab}	12.00, 22.33, -3.66
CIE _{LCh}	12, 22.629, 350.689
Yxy	1.4064, 0.4017, 0.2540
Android (android.graphics.Color)	4281930021 (0xFF391125)
YUV	31.2400, 2.8397, 22.5915
Hunter-Lab	11.8591, 12.7287, -1.2318




Details

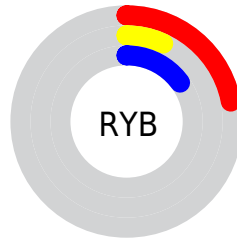
The CIELCh color **12, 22.629, 350.689** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 21.427, 156.881**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 22.588, 350.267**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 25.058, 352.404**, and if you desaturate by 10%, it is **13, 19.790, 349.251**.

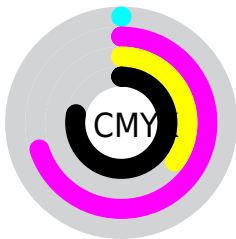
Distribution







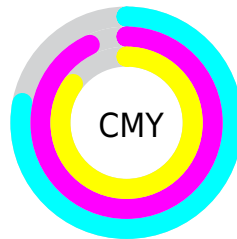
-  Red (22%)
-  Green (7%)
-  Blue (15%)






-  Red (22%)
-  Yellow (7%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (70%)
-  Yellow (35%)
-  Black (78%)



-  Cyan (78%)
-  Magenta (93%)
-  Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 22.629, 350.689 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 12, 22.629, 350.689 by changing the saturation by 10% instead.

 12, 22.629,
350.689

 12, 22.629,
350.689

 100, 22.629,
350.689


 2, 22.629, 350.689

 32, 22.629,
350.689

 0, 22.629, 350.689

 42, 22.629,
350.689

 52, 22.629,
350.689

 62, 22.629,
350.689

 72, 22.629,
350.689

 82, 22.629,


350.689


 92, 22.629,
350.689


 12, 22.629,
350.689

 12, 22.629,
350.689


 11, 25.058,
352.404


 13, 19.790,
349.251

 10, 27.237,
354.242

 15, 16.672,
348.019

 9, 29.741, 355.696

 17, 13.387,
346.945

 18, 10.025,
345.991

 20, 6.654, 345.129

■ 22, 3.317, 344.328

■ 24, 0.047, 340.074

■ 26, 3.141, 163.064

■ 28, 6.238, 162.429

Harmonies

Complementary

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



12, 22.629, 350.689



21, 21.427, 156.881

Rectangle

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



12, 22.629, 350.689



12, 22.629, 40.689



12, 22.629, 170.689



12, 22.629, 220.689

Sweetspot

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



12, 22.628, 350.690



27, 8.634, 345.283



10, 29.777, 312.087



12, 5.904, 345.350



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



12, 22.628, 350.690



15, 31.555, 353.994



11, 22.195, 26.408



9, 1.784, 344.182



18, 40.458, 358.877



47, 75.560, 2.544

Inverse Universe

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



12, 22.628, 350.690



15, 31.555, 353.994



21, 14.300, 196.885



9, 1.784, 344.182



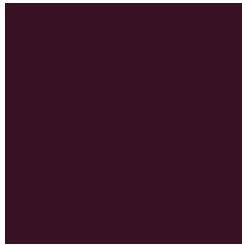
18, 40.458, 358.877



47, 75.560, 2.544

Previews

White Background



This preview shows how the CIELCh color 12, 22.629, 350.689 looks on a white background.

Color Contrast Check

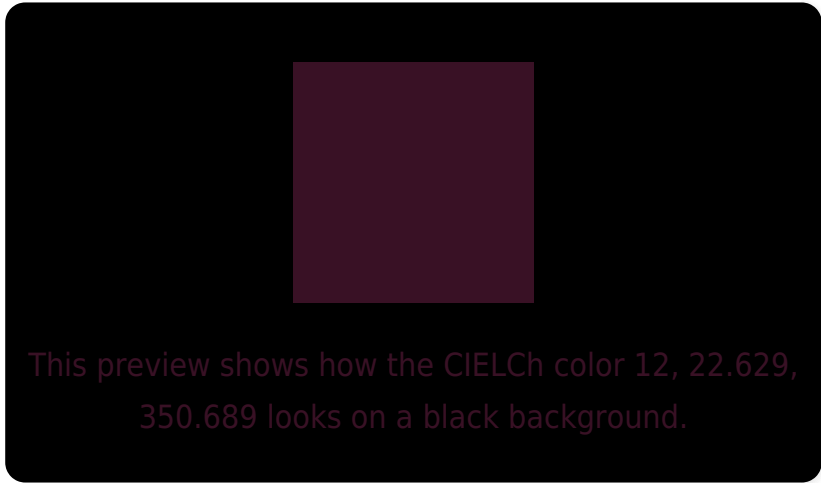
Large Text (above 18pt) WCAG AA ✓ Pass

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

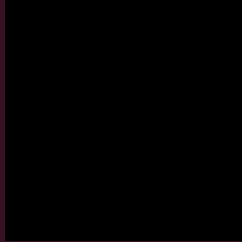
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 22.629, 350.689

Background



This preview shows how black text looks on a background with the CIELCh color 12, 22.629, 350.689.



This preview shows how white text looks on a background with the CIELCh color 12, 22.629, 350.689.

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

12, 22.629, 350.689

Protanopia

13, 10.896, 284.623

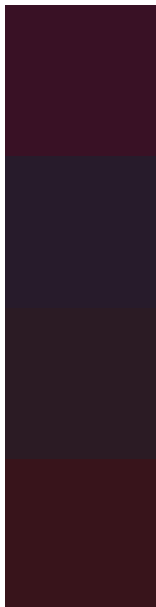
Deuteranopia

13, 2.630, 324.768



Tritanopia
12, 19.168, 23.806

Trichromacy



Original Color
12, 22.629, 350.689

Protanomaly
12, 12.853, 318.586

Deuteranomaly
12, 10.157, 343.008

Tritanomaly
12, 19.149, 11.774

Monochromacy



Original Color
12, 22.629, 350.689

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 8.635, 346.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 22.629, 350.689 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(57, 17, 37)` looks like.

```
.text, #text, p{  
    color:rgb(57, 17, 37)  
}
```

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(57, 17, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 17, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 22.629, 350.689 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(57, 17, 37) }
```

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

```
.border{ border-color:rgb(57, 17, 37) }
```

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

Here you see how a box with a 4 pixel rgb(57, 17, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 17, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 17, 37);  
box-shadow:4px 4px 4px 4px rgb(57, 17, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 22.629, 350.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 17, 37) }
```

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

```
.background{ background-color: rgb(57, 17,  
37) }
```

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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