

Converting Colors

CIELCh(12, 22.500, 52.814)

Have a look what the booklet for
CIELCh(12, 22.500, 52.814) contains.

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Color

CIELCh(12, 22.336, 52.481)

Conversions

Conversions Part 1

Format	Color
Hex	361701
RGB	54, 23, 1
RGB Percent	21%, 9%, 0%
CMY	0.7878, 0.9094, 0.9954
CMYK	0.00, 0.57, 0.98, 0.79
HSL	25°, 96%, 11%
HSV	25°, 98%, 21%
XYZ	1.8416, 1.4064, 0.2079
YIQ	29.7610, 25.5380, -0.2700

Conversions

Conversions Part 2

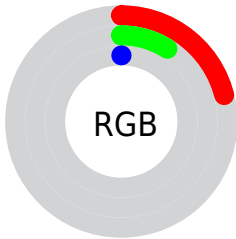
Format	Color
R_{YB}	54, 39, 1
Decimal	3544833
CIE Lab	12.00, 13.60, 17.72
CIE LCh	12, 22.336, 52.481
Yxy	1.4064, 0.5329, 0.4070
Android (android.graphics.Color)	4281734913 (0xFF361701)
YUV	29.7610, -14.1792, 21.2576
Hunter-Lab	11.8591, 6.9655, 7.2619

Details

The CIELCh color **12, 22.336, 52.481** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **11, 17.577, 265.030**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 22.291, 51.725**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 22.722, 52.072**, and if you desaturate by 10%, it is **13, 20.556, 54.709**.

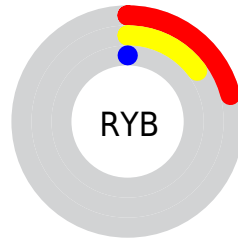
Distribution



Red (21%)

Green (9%)

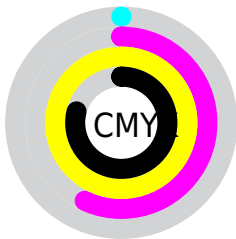
Blue (0%)



Red (21%)

Yellow (15%)

Blue (0%)

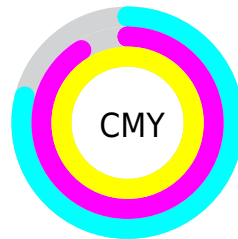


Cyan (0%)

Magenta (57%)

Yellow (98%)

Black (79%)



Cyan (79%)

Magenta (91%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 22.336, 52.481 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, 22.336, 52.481 by changing the saturation by 10% instead.

 12, 22.336, 52.481

 12, 22.336, 52.481

 100, 22.336,
52.481

 2, 22.336, 52.481

 32, 22.336, 52.481

 0, 22.336, 52.481

 42, 22.336, 52.481

 52, 22.336, 52.481

 62, 22.336, 52.481

 72, 22.336, 52.481

 82, 22.336, 52.481

 92, 22.336, 52.481

■ 12, 22.336, 52.481

■ 12, 22.336, 52.481

■ 12, 22.722, 52.072

■ 13, 20.556, 54.709

■ 14, 18.774, 57.411

■ 15, 16.604, 59.540

■ 16, 13.916, 60.601

■ 17, 11.213, 61.419

■ 18, 8.636, 62.260

■ 19, 6.188, 63.119

■ 21, 3.863, 63.985

■ 22, 1.655, 64.817

Harmonies

Complementary

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



12, 22.336, 52.481



11, 17.577, 265.030

Rectangle

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



12, 22.336, 52.481



12, 22.336, 102.481



12, 22.336, 232.481



12, 22.336, 282.481

Sweetspot

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



12, 22.336, 52.485



26, 8.187, 62.887



8, 29.412, 347.874



11, 5.522, 62.791



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



12, 22.336, 52.485



17, 30.866, 54.272



20, 27.902, 97.703



10, 1.206, 64.775



22, 39.567, 55.294



55, 79.533, 53.656

Inverse Universe

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



11, 17.577, 265.030



16, 22.285, 268.385



4, 33.222, 296.232



10, 1.177, 246.518



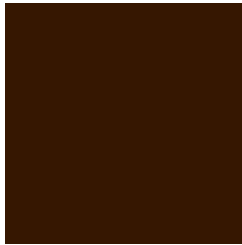
22, 27.197, 270.470



53, 54.645, 274.891

Previews

White Background



This preview shows how the CIELCh color 12, 22.336, 52.481 looks on a white background.

Color Contrast Check

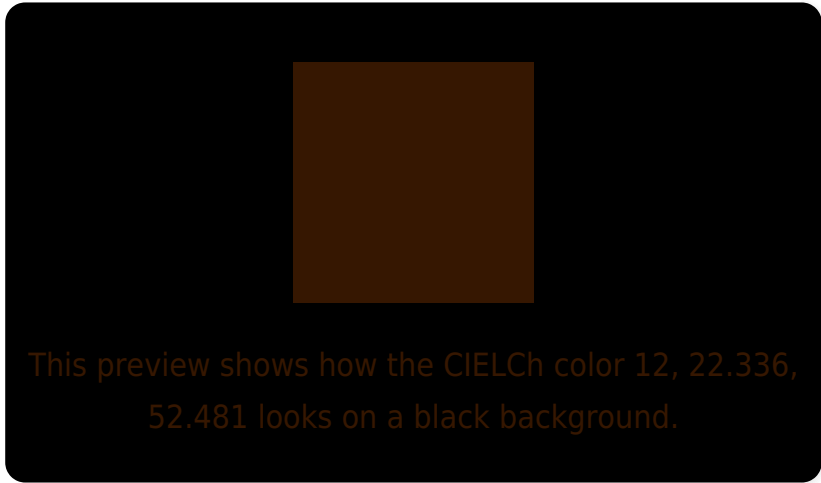
Large Text (above 18pt) WCAG AA ✓ Pass

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

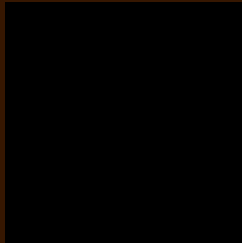
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 22.336, 52.481

Background



This preview shows how black text looks on a background with the CIELCh color 12, 22.336, 52.481.

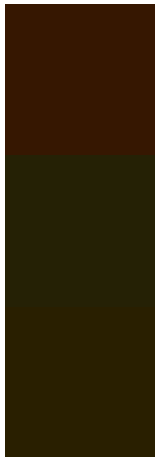


This preview shows how white text looks on a background with the CIELCh color 12, 22.336, 52.481.

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, 22.336, 52.481

Protanopia

13, 16.668, 98.545

Deuteranopia

12, 18.266, 87.708



Tritanopia
12, 18.475, 21.446

Trichromacy



Original Color
12, 22.336, 52.481

Protanomaly
12, 16.630, 77.203

Deuteranomaly
12, 18.906, 72.315

Tritanomaly
12, 19.764, 37.144

Monochromacy



Original Color
12, 22.336, 52.481

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 8.507, 56.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 22.336, 52.481 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(54, 23, 1)` looks like.

```
.text, #text, p{  
    color:rgb(54, 23, 1)  
}
```

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(54, 23, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 23, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 22.336, 52.481 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(54, 23, 1) }
```

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

```
.border{ border-color:rgb(54, 23, 1) }
```

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

Here you see how a box with a 4 pixel rgb(54, 23, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 23, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(54, 23, 1); box-shadow:4px  
4px 4px 4px rgb(54, 23, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 22.336, 52.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 23, 1) }
```

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

```
.background{ background-color: rgb(54, 23,  
1) }
```

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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