

Converting Colors

CIELCh(0, 69.208, 356.767)

Have a look what the booklet for
CIELCh(0, 69.208, 356.767) contains.

CIELCh(12, 34.942, 21.918)	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(12, 34.942, 21.918)

Conversions

Conversions Part 1

Format	Color
Hex	48010E
RGB	72, 1, 14
RGB Percent	28%, 0%, 5%
CMY	0.7191, 0.9979, 0.9460
CMYK	0.00, 0.99, 0.81, 0.72
HSL	349°, 99%, 14%
HSV	349°, 99%, 28%
XYZ	2.7290, 1.4064, 0.5346
YIQ	23.7110, 38.1430, 19.0950

Conversions

Conversions Part 2

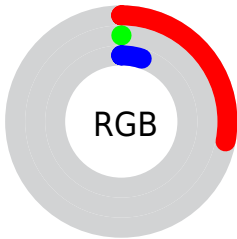
Format	Color
R_{YB}	72, 1, 14
Decimal	4718862
CIE _{Lab}	12.00, 32.42, 13.04
CIE _{LCh}	12, 34.942, 21.918
Yxy	1.4064, 0.5844, 0.3012
Android (android.graphics.Color)	4282908942 (0xFF48010E)
YUV	23.7110, -4.7875, 42.3495
Hunter-Lab	11.8591, 20.3231, 5.6286

Details

The CIELCh color **12, 34.942, 21.918** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 23.777, 174.362**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 35.062, 21.746**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 35.165, 21.946**, and if you desaturate by 10%, it is **13, 31.930, 20.518**.

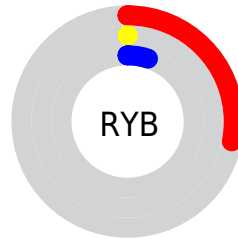
Distribution



Red (28%)

Green (0%)

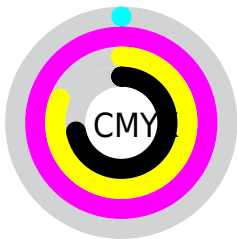
Blue (5%)



Red (28%)

Yellow (0%)

Blue (5%)

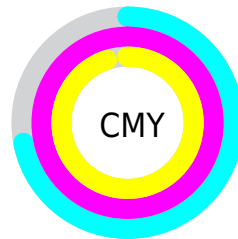


Cyan (0%)

Magenta (99%)

Yellow (81%)

Black (72%)



Cyan (72%)

Magenta (100%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 34.942, 21.918 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, 34.942, 21.918 by changing the saturation by 10% instead.

 12, 34.942, 21.918

 12, 34.942, 21.918

 100, 34.942,
21.918

 2, 34.942, 21.918

 32, 34.942, 21.918

 0, 34.942, 21.918

 42, 34.942, 21.918

 52, 34.942, 21.918

 62, 34.942, 21.918

 72, 34.942, 21.918

 82, 34.942, 21.918

 92, 34.942, 21.918

■ 12, 34.942, 21.918

■ 12, 34.942, 21.918

■ 12, 35.165, 21.946

■ 13, 31.930, 20.518

■ 14, 28.825, 17.264

■ 16, 25.370, 14.318

■ 17, 21.674, 11.932

■ 19, 17.854, 9.998

■ 21, 14.018, 8.414

■ 24, 10.248, 7.098

■ 26, 6.597, 5.983

■ 28, 3.097, 5.001

Harmonies

Complementary

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



12, 34.942, 21.918



26, 23.777, 174.362

Rectangle

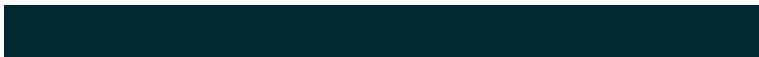
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12, 34.942, 21.918



12, 34.942, 71.918



12, 34.942, 201.918



12, 34.942, 251.918

Sweetspot

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



12, 34.940, 21.920



31, 13.257, 7.339



12, 46.740, 321.405



14, 9.160, 7.613



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



12, 34.940, 21.920



18, 43.756, 26.263



15, 32.084, 45.159



13, 1.855, 4.936



19, 45.594, 26.822



48, 86.500, 31.252

Inverse Universe

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



12, 34.940, 21.920



18, 43.756, 26.263



19, 18.666, 250.096



13, 1.855, 4.936



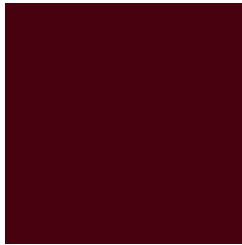
19, 45.594, 26.822



48, 86.500, 31.252

Previews

White Background



This preview shows how the CIELCh color 12, 34.942, 21.918 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

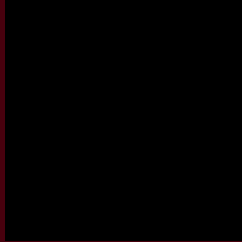
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 34.942, 21.918

Background



This preview shows how black text looks on a background with the CIELCh color 12, 34.942, 21.918.

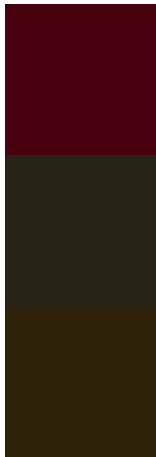


This preview shows how white text looks on a background with the CIELCh color 12, 34.942, 21.918.

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, 34.913, 22.144

Protanopia

14, 10.764, 95.302

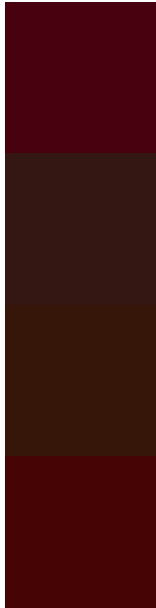
Deuteranopia

14, 17.621, 82.772



Tritanopia
12, 35.195, 33.363

Trichromacy



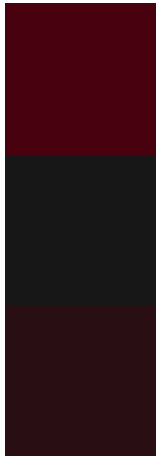
Original Color
12, 34.913, 22.144

Protanomaly
12, 17.052, 35.198

Deuteranomaly
12, 20.900, 42.646

Tritanomaly
12, 34.856, 29.251

Monochromacy



Original Color
12, 34.913, 22.144

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 14.430, 10.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 34.942, 21.918 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(72, 1, 14)` looks like.

```
.text, #text, p{  
    color:rgb(72, 1, 14)  
}
```

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(72, 1, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 1, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 34.942, 21.918 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(72, 1, 14) }
```

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

```
.border{ border-color:rgb(72, 1, 14) }
```

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

Here you see how a box with a 4 pixel rgb(72, 1, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 1, 14); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 1, 14); box-shadow:4px  
4px 4px 4px rgb(72, 1, 14) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 34.942, 21.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 1, 14) }
```

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

```
.background{ background-color: rgb(72, 1,  
14) }
```

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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