

Converting Colors

CIELCh(0, 69.049, 357.423)

Have a look what the booklet for
CIELCh(0, 69.049, 357.423) contains.

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Color

CIELCh(12, 35.191, 23.279)

Conversions

Conversions Part 1

Format	Color
Hex	48010C
RGB	72, 1, 12
RGB Percent	28%, 0%, 5%
CMY	0.7187, 0.9976, 0.9531
CMYK	0.00, 0.99, 0.83, 0.72
HSL	350°, 98%, 14%
HSV	350°, 99%, 28%
XYZ	2.7242, 1.4064, 0.4741
YIQ	23.4830, 38.7850, 18.4730

Conversions

Conversions Part 2

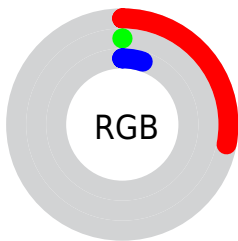
Format	Color
RYB	72, 1, 12
Decimal	4718860
CIELab	12.00, 32.33, 13.91
CIELCh	12, 35.191, 23.279
Yxy	1.4064, 0.5916, 0.3054
Android (android.graphics.Color)	4282908940 (0xFF48010C)
YUV	23.4830, -5.6611, 42.5494
Hunter-Lab	11.8591, 20.2506, 5.9308

Details

The CIELCh color **12, 35.191, 23.279** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 23.098, 177.046**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 35.369, 23.708**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 35.440, 23.277**, and if you desaturate by 10%, it is **13, 32.201, 22.273**.

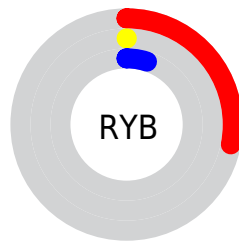
Distribution



Red (28%)

Green (0%)

Blue (5%)



Red (28%)

Yellow (0%)

Blue (5%)

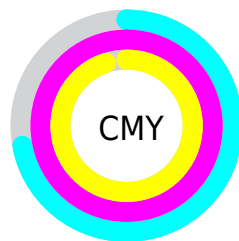


Cyan (0%)

Magenta (99%)

Yellow (83%)

Black (72%)



Cyan (72%)

Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 35.191, 23.279 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, 35.191, 23.279 by changing the saturation by 10% instead.

 12, 35.191, 23.279

 12, 35.191, 23.279

 100, 35.191,
23.279

 2, 35.191, 23.279

 32, 35.191, 23.279

 0, 35.191, 23.279

 42, 35.191, 23.279

 52, 35.191, 23.279

 62, 35.191, 23.279

 72, 35.191, 23.279

 82, 35.191, 23.279

 92, 35.191, 23.279

■ 12, 35.191, 23.279

■ 12, 35.191, 23.279

■ 12, 35.440, 23.277

■ 13, 32.201, 22.273

■ 14, 29.029, 19.292

■ 16, 25.464, 16.333

■ 17, 21.688, 13.934

■ 19, 17.816, 11.993

■ 21, 13.951, 10.410

■ 24, 10.170, 9.102

■ 26, 6.524, 8.000

■ 28, 3.041, 7.033

Harmonies

Complementary

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



12, 35.191, 23.279



27, 23.098, 177.046

Rectangle

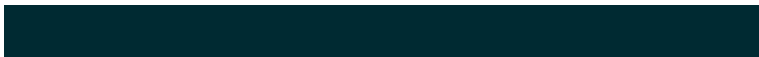
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12, 35.191, 23.279



12, 35.191, 73.279



12, 35.191, 203.279



12, 35.191, 253.279

Sweetspot

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



12, 35.189, 23.281



31, 13.196, 9.353



12, 46.570, 322.487



14, 9.121, 9.625



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, 35.189, 23.281



18, 44.293, 27.901



16, 31.649, 47.676



13, 1.840, 6.979



19, 46.207, 28.540



48, 88.055, 33.049

Inverse Universe

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



12, 35.189, 23.281



18, 44.293, 27.901



18, 19.490, 255.869



13, 1.840, 6.979



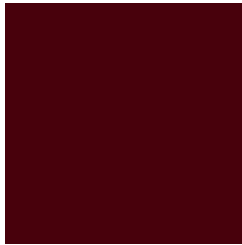
19, 46.207, 28.540



48, 88.055, 33.049

Previews

White Background



This preview shows how the CIELCh color 12, 35.191, 23.279 looks on a white background.

Color Contrast Check

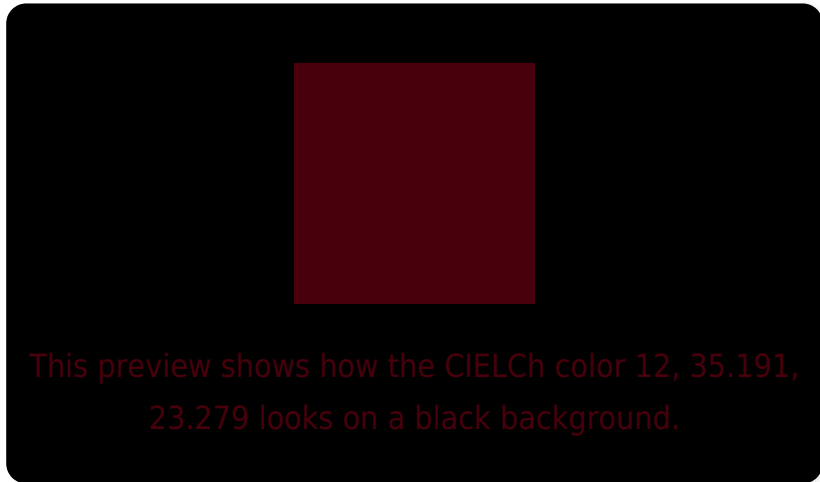
Large Text (above 18pt) WCAG AA ✓ Pass

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

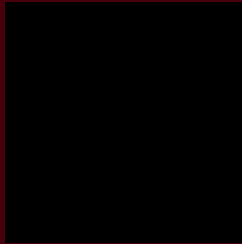
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 35.191, 23.279

Background



This preview shows how black text looks on a background with the CIELCh color 12, 35.191, 23.279.



This preview shows how white text looks on a background with the CIELCh color 12, 35.191, 23.279.

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, 35.182, 23.580

Protanopia

14, 12.058, 96.134

Deuteranopia

14, 19.137, 84.363



Tritanopia
12, 35.195, 33.363

Trichromacy



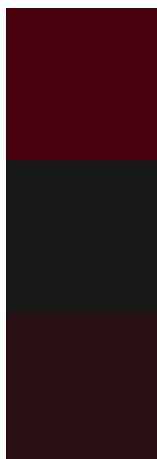
Original Color
12, 35.182, 23.580

Protanomaly
12, 17.555, 38.532

Deuteranomaly
12, 21.562, 45.283

Tritanomaly
12, 35.011, 29.839

Monochromacy



Original Color
12, 35.182, 23.580

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 14.405, 12.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 35.191, 23.279 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(72, 1, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 1, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 35.191, 23.279 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, 12) }
```

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

```
.border{ border-color:rgb(72, 1, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 1, 12); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 1, 12); box-shadow:4px  
4px 4px 4px rgb(72, 1, 12) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 35.191, 23.279 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, 12) }
```

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

```
.background{ background-color: rgb(72, 1,  
12) }
```

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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