

Converting Colors

CIELCh(12, 30.342, 2.056)

Have a look what the booklet for
CIELCh(12, 30.342, 2.056) contains.

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Color

CIELCh(12, 30.458, 1.953)

Conversions

Conversions Part 1

Format	Color
Hex	43051F
RGB	67, 5, 31
RGB Percent	26%, 2%, 12%
CMY	0.7369, 0.9800, 0.8781
CMYK	0.00, 0.92, 0.54, 0.74
HSL	335°, 86%, 14%
HSV	335°, 92%, 26%
XYZ	2.6247, 1.4064, 1.4346
YIQ	26.5020, 28.6060, 21.2300

Conversions

Conversions Part 2

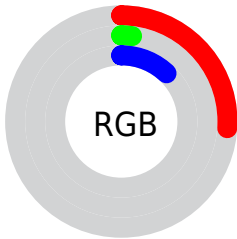
Format	Color
RYB	67, 5, 31
Decimal	4392223
CIELab	12.00, 30.44, 1.04
CIElCh	12, 30.458, 1.953
Yxy	1.4064, 0.4802, 0.2573
Android (android.graphics.Color)	4282582303 (0xFF43051F)
YUV	26.5020, 2.2175, 35.5167
Hunter-Lab	11.8591, 18.7531, 1.1288




Details

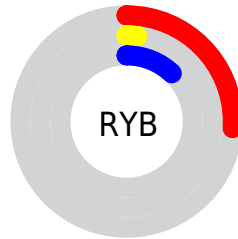
The CIELCh color **12, 30.458, 1.953** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 27.906, 157.561**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 30.860, 1.428**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 32.406, 3.619**, and if you desaturate by 10%, it is **13, 28.202, 359.387**.

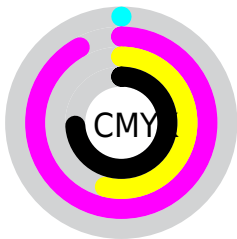
Distribution







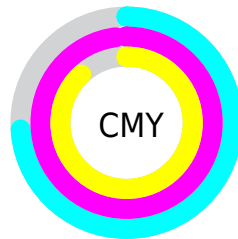
-  Red (26%)
-  Green (2%)
-  Blue (12%)






-  Red (26%)
-  Yellow (2%)
-  Blue (12%)



-  Cyan (0%)
-  Magenta (92%)
-  Yellow (54%)
-  Black (74%)



-  Cyan (74%)
-  Magenta (98%)
-  Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 30.458, 1.953 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, 30.458, 1.953 by changing the saturation by 10% instead.

 12, 30.458, 1.953  12, 30.458, 1.953

 100, 30.458, 1.953  2, 30.458, 1.953

 32, 30.458, 1.953  0, 30.458, 1.953

 42, 30.458, 1.953

 52, 30.458, 1.953

 62, 30.458, 1.953

 72, 30.458, 1.953

 82, 30.458, 1.953

 92, 30.458, 1.953

 12, 30.458, 1.953  12, 30.458, 1.953

■ 11, 32.406, 3.619

■ 13, 28.202,
359.387

■ 14, 25.618,
357.074

■ 16, 22.547,
355.181

■ 18, 19.135,
353.608

■ 19, 15.519,
352.276

■ 21, 11.812,
351.126

■ 24, 8.097, 350.113

■ 26, 4.431, 349.199

■ 28, 0.851, 348.205

Harmonies

Complementary

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



12, 30.458, 1.953



24, 27.906, 157.561

Rectangle

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



12, 30.458, 1.953



12, 30.458, 51.953



12, 30.458, 181.953



12, 30.458, 231.953

Sweetspot

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



12, 30.456, 1.954



29, 12.597, 350.781



9, 43.209, 314.472



13, 8.572, 350.982



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



12, 30.456, 1.954



16, 38.478, 5.646



12, 31.637, 31.598



12, 1.956, 348.853



19, 41.558, 6.421



48, 76.859, 10.529

Inverse Universe

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



12, 30.456, 1.954



16, 38.478, 5.646



24, 17.167, 206.022



12, 1.956, 348.853



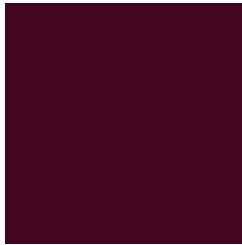
19, 41.558, 6.421



48, 76.859, 10.529

Previews

White Background



This preview shows how the CIELCh color 12, 30.458, 1.953 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

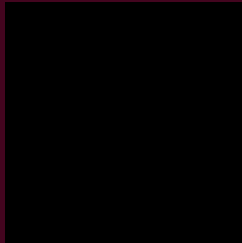
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 30.458, 1.953

Background



This preview shows how black text looks on a background with the CIELCh color 12, 30.458, 1.953.



This preview shows how white text looks on a background with the CIELCh color 12, 30.458, 1.953.

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, 30.458, 1.953

Protanopia

14, 7.222, 281.713

Deuteranopia

14, 5.682, 68.178



Tritanopia
12, 28.856, 28.575

Trichromacy



Original Color
12, 30.458, 1.953

Protanomaly
12, 15.065, 334.493

Deuteranomaly
12, 14.545, 7.465

Tritanomaly
12, 28.665, 19.099

Monochromacy



Original Color
12, 30.458, 1.953

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 13.333, 355.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 30.458, 1.953 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(67, 5, 31)` looks like.

```
.text, #text, p{  
    color:rgb(67, 5, 31)  
}
```

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(67, 5, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 5, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 30.458, 1.953 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(67, 5, 31) }
```

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

```
.border{ border-color:rgb(67, 5, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 5, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 5, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(67, 5, 31); box-shadow:4px  
4px 4px 4px rgb(67, 5, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 30.458, 1.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 5, 31) }
```

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

```
.background{ background-color: rgb(67, 5,  
31) }
```

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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