

Converting Colors

CIELCh(30, 30.590, 103.923)

Have a look what the booklet for
CIELCh(30, 30.590, 103.923)
contains.

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Color

CIELCh(30, 30.444, 104.442)

Conversions

Conversions Part 1

Format	Color
Hex	494916
RGB	73, 73, 22
RGB Percent	29%, 29%, 9%
CMY	0.7138, 0.7138, 0.9138
CMYK	0.00, 0.00, 0.70, 0.71
HSL	60°, 54%, 19%
HSV	60°, 70%, 29%
XYZ	5.2719, 6.2359, 1.6838
YIQ	67.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

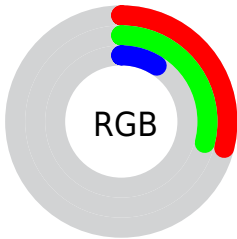
Format	Color
R_{YB}	22, 73, 22
Decimal	4802838
CIE Lab	30.00, -7.59, 29.48
CIE LCh	30, 30.444, 104.442
Yxy	6.2359, 0.3996, 0.4727
Android (android.graphics.Color)	4282992918 (0xFF494916)
YUV	67.1860, -22.2767, 5.0989
Hunter-Lab	24.9718, -6.0169, 13.4824

Details

The CIELCh color **30, 30.444, 104.442** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 36.819, 300.172**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 30.200, 104.432**, and **10, 16.653, 114.183** is the 20% darker color. If you saturate the color by 10%, you get **30, 33.733, 103.843**, and if you desaturate by 10%, it is **30, 26.668, 105.147**.

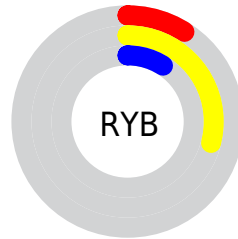
Distribution



Red (29%)

Green (29%)

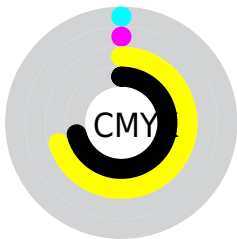
Blue (9%)



Red (9%)

Yellow (29%)

Blue (9%)

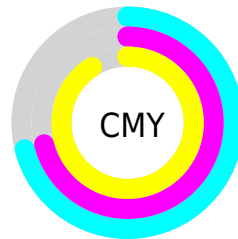


Cyan (0%)

Magenta (0%)

Yellow (70%)

Black (71%)



Cyan (71%)


Magenta (71%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 30.444, 104.442 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 30, 30.444, 104.442 by changing the saturation by 10% instead.


 30, 30.444,
104.442

 30, 30.444,
104.442

 100, 30.444,
104.442


 20, 30.444,
104.442


 50, 30.444,
104.442


 10, 30.444,
104.442

 60, 30.444,
104.442

 0, 30.444, 104.442

 70, 30.444,
104.442

 80, 30.444,
104.442

 90, 30.444,
104.442

■ 30, 30.444,
104.442

■ 30, 30.444,
104.442

■ 30, 33.733,
103.843

■ 30, 26.668,
105.147

■ 30, 36.426,
103.359

■ 30, 22.555,
105.922

■ 30, 39.237,
102.864

■ 30, 18.221,
106.746

■ 30, 39.272,
102.858

■ 30, 13.746,
107.598

■ 31, 9.185, 108.463

■ 31, 4.574, 109.327

■ 31, 0.060, 290.712

■ 31, 4.702, 291.038

■ 32, 9.339, 291.851

Harmonies

Complementary

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



30, 30.444, 104.442



11, 36.819, 300.172

Rectangle

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



30, 30.444, 104.442



30, 30.444, 154.442



30, 30.444, 284.442



30, 30.444, 334.442

Sweetspot

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



30, 30.444, 104.444



40, 11.996, 108.297



16, 27.572, 28.190



20, 8.183, 108.183



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 30.444, 104.444



39, 42.584, 103.485



28, 33.116, 126.379



14, 2.533, 109.440



41, 48.580, 102.856



88, 88.739, 102.856

Inverse Universe

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



11, 36.819, 300.172



11, 55.156, 303.501



14, 36.401, 312.190



12, 2.580, 290.964



8, 67.080, 306.288



28, 122.532, 306.287

Previews

White Background



This preview shows how the CIELCh color 30, 30.444, 104.442 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



This preview shows how the CIE LCh color 30, 30.444, 104.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

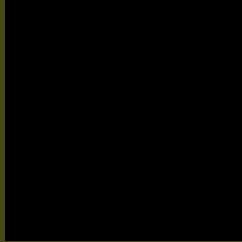
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 30.444, 104.442

Background



This preview shows how black text looks on a background with the CIELCh color 30, 30.444, 104.442.



This preview shows how white text looks on a background with the CIELCh color 30, 30.444, 104.442.

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

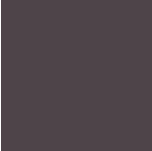
30, 30.444, 104.442

Protanopia

30, 30.312, 96.492

Deuteranopia

30, 28.982, 82.422



Tritanopia
30, 5.469, 344.591

Trichromacy



Original Color
30, 30.444, 104.442

Protanomaly
30, 30.584, 99.506

Deuteranomaly
30, 29.079, 90.046

Tritanomaly
30, 10.589, 92.458

Monochromacy



Original Color
30, 30.444, 104.442

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 11.475, 107.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 30.444, 104.442 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(73, 73, 22)` looks like.

```
.text, #text, p{  
    color:rgb(73, 73, 22)  
}
```

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(73, 73, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 73, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 30.444, 104.442 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(73, 73, 22) }
```

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

```
.border{ border-color:rgb(73, 73, 22) }
```

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

Here you see how a box with a 4 pixel rgb(73, 73, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 73, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 73, 22);  
box-shadow:4px 4px 4px 4px rgb(73, 73, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 30.444, 104.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 73, 22) }
```

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

```
.background{ background-color: rgb(73, 73,  
22) }
```

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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